

ESTABLISHED 1857

TELEGRAMS: "PLUCKNETT LONDON"
TELEPHONE: BELL 2422 & 2423

C. J. PLUCKNETT & CO.,

(P.C.L.) LIMITED.

DENTAL DEPOT

WE SELL

CHAIRS

CABINETS

LATHES

ENGINES, ETC.



25, POLAND ST., LONDON, W.

Glasgow
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Cabinodwork



THE LARGEST STOCK IN THE TRADE

Dent BL
Archives

(See Special Showroom.)



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ALL ITEMS ARE ISSUED SUBJECT TO RECALL

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CATALOGUE.

DEPARTMENT No. 4.—“DENTAL.”

PRICES.—All prices in this Catalogue are subject to alteration without notice. Goods are invoiced at lowest current prices, without advice of alteration.

We are always in a position to meet fair and reasonable competition, and in the event of customers at any time finding our prices higher than the prices of our competitors, they may generally assume that the price of that particular article or articles has been reduced by the manufacturers since this list was printed, and we shall very much appreciate it if customers will always write for quotations before passing us with their orders, or send on their orders with the condition “if at ———.”

ORDERS.—Should always be written on separate sheets, with forwarding instructions and all other particulars attached.

NEW ACCOUNTS.—Orders from new customers must be accompanied with two trade references, or cash.

REPAIRS.—Goods for repair must be sent carriage paid, and full particulars enclosed therewith.

GOODS SPECIALLY OBTAINED.—Goods not quoted, or purchased by request, are not returnable.

CASH DISCOUNTS.—Five per cent. for cash or prompt monthly settlements off all tools and sundries, except precious metals.

EXPORT TRADE.

TERMS.—Foreign orders must be accompanied by a remittance, or arrangement made with a bank having a branch in this country to make payment against invoice and bill of lading, or goods may be indented through merchants on this side.

CARRIAGE.—All prices are fixed free on rails, London. Goods are delivered free on board, by arrangement, or may be sent to any Continental port C.I.F.

SHIPPING INSTRUCTIONS.—When orders are sent, instructions should be given if goods are to be sent by mail or cargo steamers. If customers will leave the matter of carriage in our hands, we will act for them to the best of our ability.

When sending orders through merchants, always indent for Plucknett and Co.'s, Ltd., goods, and state numbers and sizes.

BANKERS.—Capital and Counties Bank, and National Provincial Bank of England.

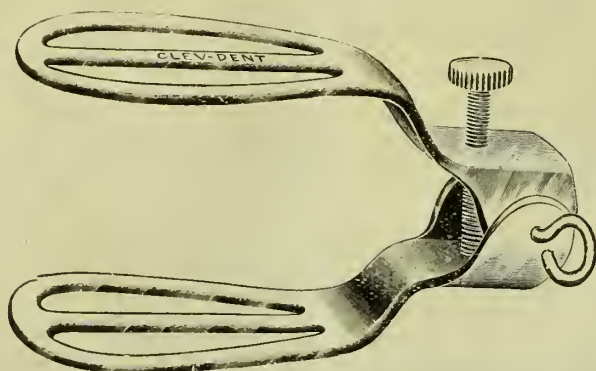
C. J. PLUCKNETT & Co., Ltd.,

29-30, POLAND STREET., OXFORD STREET., LONDON, W.

DENTAL ARTICULATORS.

NEW CROWN ARTICULATOR.

Neatest on the Market.



Price 1/-

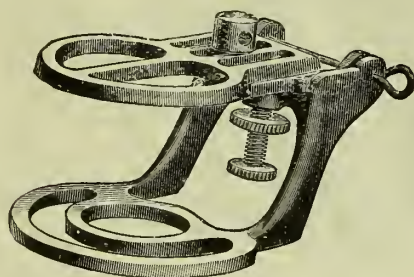


Fig. 7.

PLAIN LINE ARTICULATOR, 3/6 each.

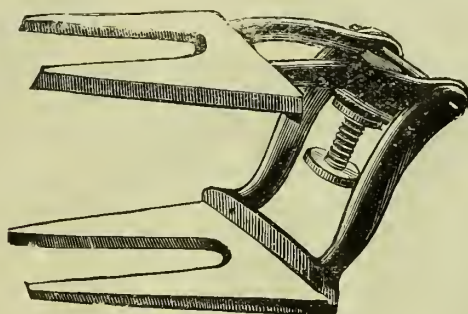


Fig. 5.

FORK ARTICULATOR, 3/6

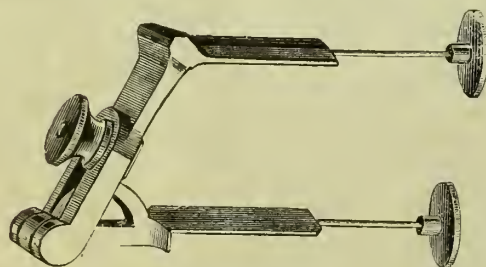


Fig. 6.

GRAHAM and WOOD'S, 5/-

SIMPLE ARTICULATOR,

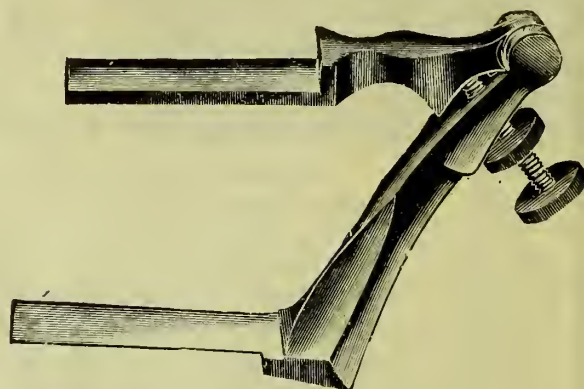
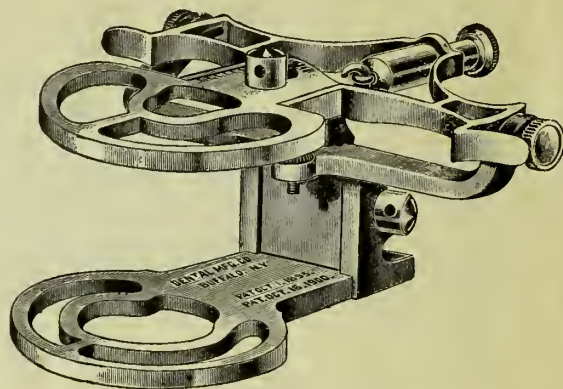


Fig. 9.

Price 4/6

ANTES-LEWIS ANATOMICAL ARTICULATOR.



Price 12/6

GRITMAN'S ARTICULATORS, 12/6

LADMORE'S ARTICULATORS, 5/-

All Articulators made may be obtained
to Order.

ARTICULATING PAPER.

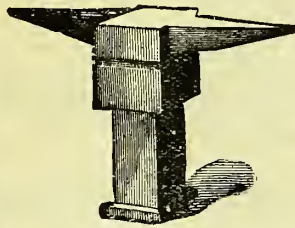
Blue, Black and Yellow.

Thick and Thin, Odourless and Tasteless, clean end,
3d. per book; 2/6 per doz.

ANVILS, BENCH BLOCKS, &c.

No. 75.
ELM WOOD
BLOCKS FOR
STAKES.

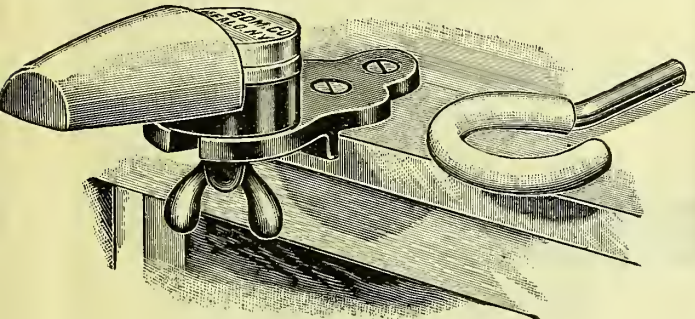
About 3 ft. high,
2/6 per ft.;
5/- per ft.,
turned.
Stock size,
24 ins. to 30 ins.



No. 3. For the Vice, 1/- each.

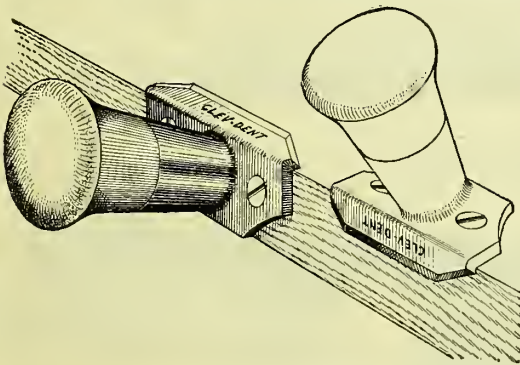
THE COMBINATION LEWIS BENCH BLOCK.

For Gold and Rubber Work. Applicable to any Work Bench.

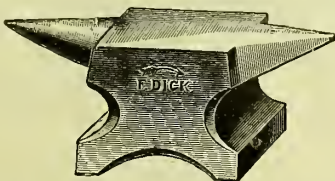


3/- each.

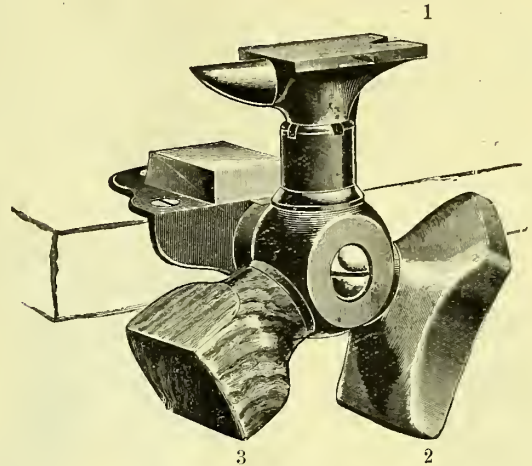
BENCH BLOCKS



HARD RUBBER. See Two Positions. Very Useful.
Price 3/-



No. 5. For Board, average 1 lb., 2/-. Anvils and Flat Steel Stakes made to Order. Quality Guaranteed.



No. 6.

MELLOTTE'S ANVIL.

Three heads, revolving as shown.

No. 1. A Case-hardened Steel Anvil.

No. 2. A Rubber Block for Filing.

No. 3. A Wooden Block for Filing.

This revolving combination will be found a valuable acquisition, and will save much time in working on small articles.

Price complete, 10/-

No. 113.

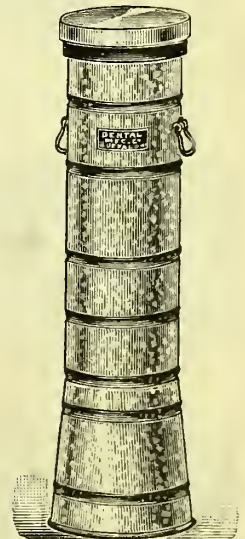
Sand Swaging Anvil.

THE CASING

is made of heavy galvanised iron, and reinforced on the top by a wrought iron ring. Handles are placed on the side of the casing for convenience of moving from place to place. It is filled to the top with clean lake sand to take the force of the blow, the anvil resting on the sand and not on the casing.

THE ANVIL

is cast iron, from 6 3/4 inches diameter, turned and polished, and weighs 22 lbs. Total height, 28 inches; total weight, including sand, 100 lbs.



Sand always supplied unless orders are to the contrary.

No. 113. Swaging Anvil,

Price 25/-

AMALGAMS & ALLOYS.

SCHNEIDER'S Nickel Alloy ..	5/- oz.
SULLIVAN'S Copper Amalgum ..	2/6 oz. 5 oz. 10/-
P.C.L. Special Silver Amalgam ..	5/- oz. 5 oz. 20/-
HALLAM'S Silver Amalgum ..	5/- and 8/- oz.
FLETCHER'S Standard Perfect Amalgam	20/- oz.
FLETCHER'S Platinum and Gold Alloy	20/- oz.
PORRO'S Invincible Amalgam ..	7/- oz.
JAMES'S Improved Copper Amalgam ..	4/- oz. 5 oz. 17/6
C.A.S. Alloy (Quick or Slow Setting) 6 3 1/2 oz.	1 oz. 12/6 5 oz. 5 1/2/-
Flint Edge Gold Alloy ..	15/- oz.
Aerdentalloy ..	3/2 packet.

"Fellowship" Alloy ..	14/- oz. 5 oz. 12/- 10 oz. 11/- per oz.
De TREY'S Alloy 1/2 oz. 6/- 12/- oz. 5 oz. 11/-	10 oz. 10/- per oz.
Crescent Alloy ..	6/- oz.
True Dentalloy (S. S. White's) ..	6/- oz.
Alba Alloy (S. S. White's) ..	6/- oz.
FLAGG'S Contour Alloy ..	12/6 oz.
FLAGG'S Submarine Alloy ..	10/- oz.
HAMMOND'S White Alloy ..	12/6 oz.
S. S. WHITE'S Copper Amalgam ..	4/- oz. 5 oz. 16/6
BOWLING'S Nilexum Alloy, 1/- pkt.; 13/-	lb.; Thick, 1/6 pkt.
Alloy Copper ..	2/- per lb.



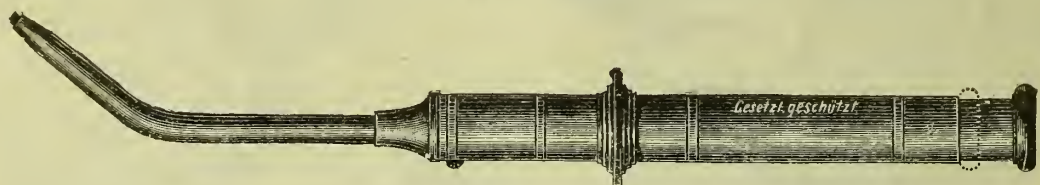
LORD'S PYRMID AMALGAMS.

We guarantee the No. 5 Amalgam to contain over 21 per cent. of its retail value in pure grain gold.

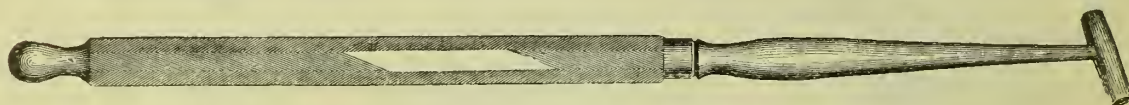
Filling No. 1—Copper Amalgam	...	per 1 oz. bottle	2/6
" " 2— " "	...	" "	3/6
" " 3—Silver "	...	" "	7/6
" " 4—Platinum "	...	" "	10/6
" " 5—Gold "	...	" "	15/-
" " 6—Dr. Black's Alloy	...	" "	10/6



AMALGAM CARRIERS.



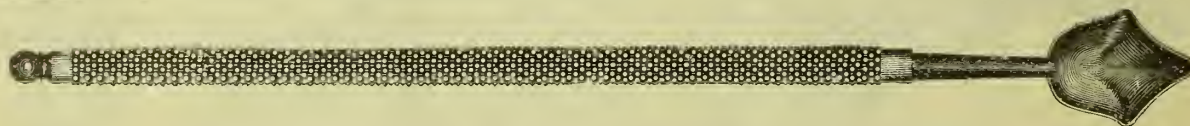
ALL NICKEL AMALGAM CARRIER (Exact Size), Fig. 1. 4/- With Detachable Top, 5/-



AMALGAM CARRIER, Fig. 2, 3/-



AMALGAM CARRIER, Fig. 3, 3/-
THE CRESENT CARRIER, Wood Hand'e, 4/-



AMALGAM SPOON, Fig. 5, 2/-
Amalgam Spoons, Wood Handle, 2/6. Plain Steel Amalgam Spoon, 1/6

SIMPLE METHOD OF MIXING AMALGAMS.

E.P. P.L.



FLETCHER'S AMALGAM BALANCE.

Price, N.P., 2/3



MIXING TUBE, full size, Price 6d. each.

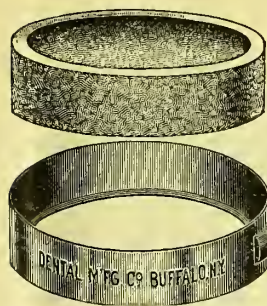
To use this method weigh with the differential balance the proportions required by putting mercury in the cup E.P., or in the cup P.L., then pour fillings into the cup F until the mercury is balanced.

F—E.P. giving three fillings to one mercury.

F—P.L. giving four fillings to one mercury.

Put the fingers over the mercury while emptying fillings into tube, then pour the mercury, cover the end of the tube with finger and shake briskly for a few seconds. The resulting mass is in the best possible form for working into discs with the cylinder mould. Finish the plug with tinfoil under the burnisher, until the filling is perfectly hard and solid. By this method perfect and water-tight plugs, can be made entirely under water, and can be finished and polished at one operation without delay.

Asbestos Soldering Block.



These blocks have found favour with many in preference to Carbon blocks for soldering purposes. They are made especially for us, and known to be of the first quality. A holder is supplied similar to the one used for holding Carbon blocks, but with a flange to prevent block from falling through.

Blocks,
2/6 each.
Holders,
1/- each.

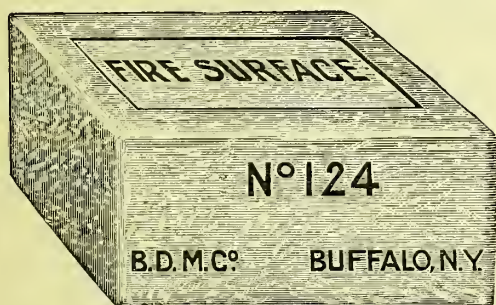


Asbestos in
Sheet,
 $\frac{1}{8}$ to $\frac{1}{4}$ -inch thick, 1/6 lb.

Asbestos Fibre,
4/- lb., 6d. per oz.

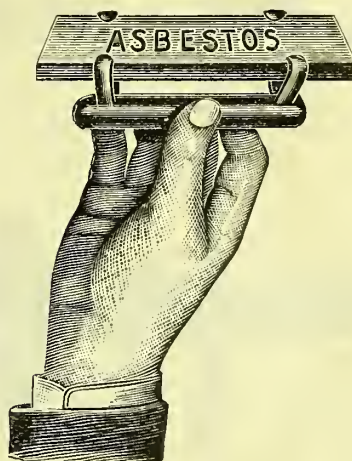
Asbestos Blocks,
Sheet 4d. and 6d. each.

Prepared Magnesium Soldering Block.



Suggested by Dr. H. L. Belcher, Prepared Magnesium Soldering Blocks are composed of Carbonate of Magnesium with Asbestos Fibre. Especially advantageous for delicate soldering, as the composition reflects heat better than the ordinary Asbestos Soldering Block, and is loose enough to admit of work being pinned to it. No. 124 Soldering Blocks are properly coated on all but the fire surface to prevent flaking and to make them cleanly to handle.

Price: Prepared Magnesium Soldering Block, 9d.



Asbestos Soldering Block.

(WITH HOLDER).

Price ... 6d. each.

Asbestos Powder

Fine ...	...	...	...	per lb. box	9/-
Coarse ...	...	...	...	"	1/3

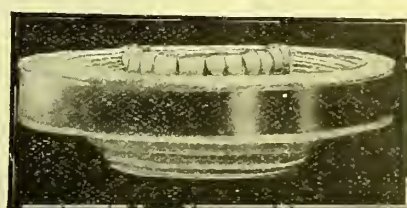
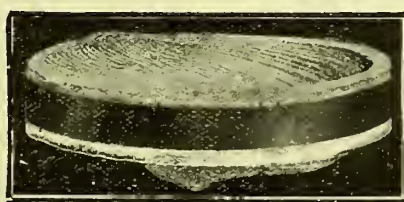
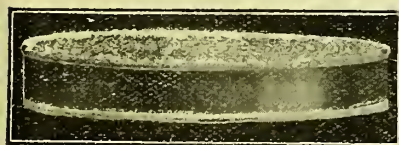
Amadou.

12/6 lb.	...	...	...	...	1/- oz.
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Amadou Pellets.

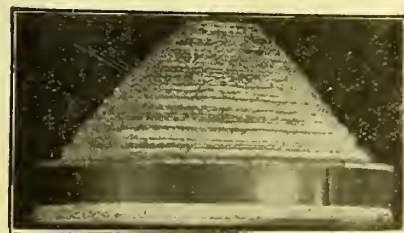
Per box	...	...	...	...	1/-
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The Ingersoll Adjustable Soldering Pad. (Patent applied for.)



This pad is made of a strong strip of special grade asbestos paper held in a roll by a metal band. As will be seen by those familiar with laboratory work, its advantages are many. It cools quickly, retains heat for some time, and is not easily damaged or destroyed by legitimate use. It can be used flat, or is adjustable to any required shape by pressing lightly with the thumb. Flux can be easily removed from it by pressing the pad into a cone, when the hardened flux will break away. It can be used for drying out by placing above a flame, with the invested case in its depressed surface, another pad being used for a cover if desired.

Price ... 2/6



ALUMINIUM.

Ingots, from 8 oz. upwards, 2/6 lb. Solder, 10/- lb. Sheet, 4/- lb. Wire, 5/- lb. Flux, 1/- per bot.

Perforated Aluminium, for Strengtheners, 1/6 per ft.

Aluminium Alloy, for Casting, 1/- per pkt.

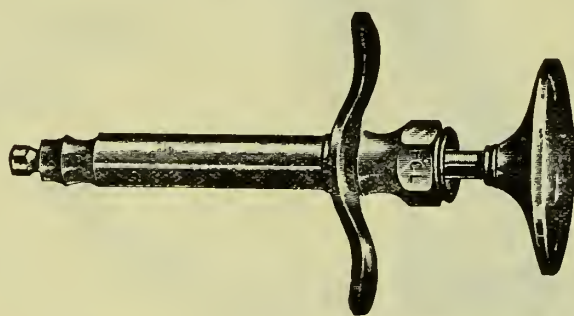
Aluminium Alloy, for Swaging, 1/6 per pkt.

Nilexum Alloy (Aluminium), 1/- per pkt., 13/- per lb.

Nilexum Alloy (Aluminium) extra heavy, 1/6 per pkt.

THE P.C.L. ALL METAL SYRINGE.

The very latest and the finest Syringe yet placed on the market. It is superior to many higher priced, and is to be depended upon in every way.



Price 4/6 each.

Specially recommended for injecting "SANSPEINE."

Mr. G. M. RYLANDE specially asks us to publish the following information in answer to the question so often asked as to what Syringe is best to use for injecting "Sanspeine."

"I always use a metal syringe made after the pattern of the Plucknett Metal Air-tight Steel Plunger Syringe, having found this instrument the cheapest and the best on the market. It is strong enough to allow one to use the pressure required to inject deeply, and has a perfect action. I use short bevelled Aseptic Hypodermic Needles, and commence injecting as soon as I puncture the gum."

Price List of "Sanspeine":

1 oz., 2/-; 2 ozs., 3/9; 4 ozs., 7/6; 10 ozs. upwards, 1/6 oz.

SANSPEINE

The Perfect Local Anæsthetic.

SAFE & INSTANTANEOUSLY EFFECTIVE.

Prepared from the formula of a New Zealand Dental Surgeon.

After having been thoroughly tested in private practice the results of "SANSPEINE," a new anæsthetic formula of a New Zealand Dental Surgeon, have proven so universally safe and effective that it has been decided to place it before the Dental Profession of Europe. A description of the really marvellous anæsthetic effects of "SANSPEINE" is best given by quoting from the words of the discoverer, Mr. G. M. Rylande, Surgeon Dentist (N.Z.).

"After experimenting in local dental anæsthesia for over ten years, with varied results, I succeeded in discovering the formula for a perfect anæsthetic, and after demonstrating its success in over 50,000 cases I decided to give my valuable discovery to the profession under the name of "SANSPEINE." I have such perfect confidence in my mixture that I invite any member of the Dental or Medical Profession to come and witness operations during which I am prepared to demonstrate its absolutely safe effect as a perfect anæsthetic. I do not ask for ordinary cases but much prefer those cases which would baffle other operators' anæsthetics. I also consider it essential to have a number of cases, to prove that "SANSPEINE" succeeds in all sorts and conditions of patients."

"Having had an extensive experience with anæsthetics I should like to point out some specially important advantages of "SANSPEINE." From its use there can be no fear of even the most delicate patient collapsing through any depressing effect on the heart. Nervous patients usually feel "braced up" after the injection and ready for any number of extractions, so that I am always able to clear the whole of the mouth of all stumps and decayed teeth at one sitting. There is very little bleeding after and during extractions. In cases of spongy gums inject deeply into the gums and alveolar process. Where the alveolar processes are dense do not be afraid to continue injecting until the whole of the root is anæsthetized. In abscessed teeth inject gradually until the abscess sac is perfectly insensible to pressure."

SAFE and RELIABLE. Mr. F. J. OATEN'S

ANTISEPTIC AND STERILIZED LOCAL ANÆSTHETIC.

It is guaranteed to give entire satisfaction without producing any after effects.

S.R.

IMPORTANT.—The amount of Coc. Hyd. in the solution is slightly over one half per cent. Many testimonials have been received, so that we have every confidence in recommending it to your notice.

S.R.

Prices: 1 oz., 2/6; 2 ozs., 4/6; 6 ozs., 12/-; 12 ozs., 20/-; 24 ozs., 35/-. If not approved, money returned.

Sole Agents:—C. J. PLUCKNETT & CO., Ltd.

ANÆSTHETICS.

ALYPINOIDS.

(Registered.)

Ten Tablets "D" each of **ALYPIN**, 0.02 gram ($\frac{1}{3}$ -grain),**SUPRARENIN BORIC** (2 minims of a sol. 1-1000).

Alypin is a perfect substitute for cocaine, whilst Suprarenin represents the active principle of the suprarenal gland.

10d. per tube of 10 tablets.

"ANÆSTHUNDER."

Used and appreciated in all parts of the country by dentists who object to cocaine. Contains 1.2 per cent. **Beta Eucaine** combined with the active principle of the suprarenal gland.

Perfectly Safe.**Wonderfully Effective.****Absolutely Painless Extractions.**

Price, 1/6 per oz., 12 ozs. 16/6.

"ALVATUNDER."

Price: 1 oz., 3/6; 2 ozs., 6/6; 6 ozs., 18/-; 12 ozs., 35/-

Free with a 12 oz. order an Aseptic Hypodermic Syringe and 12 Needles, value 7/9.

CERTAINE.

Price: 2 ozs., 4/6; 12 ozs., 20/-; 20 ozs., 30/-

CREOSANTIS.

(A pure solution of Saponified Cresols).

An Ideal Dental Antiseptic, soluble in water.

For sterilizing instruments use a 1 or 2 per cent. solution.

For disinfecting the hands use a 1 per cent. solution.

For a mouth wash use a 1 per cent. solution.

For use after extraction of teeth, each socket should be swabbed out with cotton wool dipped in pure Creosantis. 1/6 $\frac{1}{2}$ pt.; 3/- pt.

MYLOCAL.

Price: 5/- per 4 oz. bottle; 6 bottles, 28/-; 12 bottles, 54/-; 25 bottles, 105/-; 50 bottles, 200/-

"NOPAINE."

For those who prefer a cocaine preparation it is the perfection of local anæsthetics.

Contains less than 1 per cent. Cocaine Hydrochlor.

Splendid results with a very small dose.

No Danger.**No Swelling.****Try it.**

Price, 1/6 per oz., 12 ozs. 16/6.

NOVOCAIN.

Prices:—

Solution—1 oz. 2/6, 2 ozs. 4/6.

Powder—5 grammes, 3/6.

Tablets—A 0.125 grammes, 10 tablets in tube, 1/6 per tube.

B 0.1	"	10	"	1/6	"
C 0.05	"	20	"	1/6	"
D 0.2	"	10	"	1/6	"
E 0.02	"	20	"	1/6	"
F 0.05	"	20	"	1/6	"

PARKE-DAVIS SPECIALITIES.

"Eudrenine" (Trade Mark.)

We have introduced this preparation as a local anæsthetic and hæmostatic for the painless and bloodless extraction of teeth, and for use in general surgery. It contains Beta-Eucaine Hydrochloride together with Adrenalin Chloride (Takamine), dissolved in Physiological Sodium Chloride Solution. For dental use 8 to 17 minims may be injected into the gum ten minutes before extraction. For general surgical purposes, one part "Eudrenine" diluted with four parts Physiological Sodium Chloride Solution makes a solution similar to that recommended for minor operations in the *British Medical Journal*, December 24, 1904.

Each c.c. (16.9 minims) of "Eudrenine" contains 0.1 gm. ($\frac{1}{6}$ grain) of Beta-Eucaine Hydrochloride, and 0.033 mgm. (1.200th grain) Adrenalin Chloride (Takamine).

Supplied in 1 oz. and 10 c.c. stoppered bottles, and in hermetically sealed ampoules, each containing $\frac{1}{2}$ c.c. (8 $\frac{1}{2}$ minims).

Prices: One oz. bottles, per bottle	...	...	2/6
10 c.c. bottles, per bottle	...	...	1/-
$\frac{1}{2}$ c.c. ampoules, per dozen	...	...	2/6
$\frac{1}{2}$ c.c. ampoules, per half-dozen	...	...	1/6

Local Anæsthetic (Dental) Hypodermic Tablets.

Our Hypodermic Tablet No. 81, "Local Anæsthetic (Dental)" is made after the formula of Mr. N. L. Hoff, D.D.S., who writes in the *Ohio Dental Journal*, October, 1895:—"The combination I am now using as a local obtundent yields good results. I used sterilized water to make the solution, and, to prevent possible decomposition, make it daily as needed for use. The formula I use is as follows:—

"R Hydrochloride of Cocaine	...	gr. $\frac{1}{2}$
" Sulphate of Morphine	...	gr. $\frac{1}{8}$
" Sulphate of Atropine	...	gr. 1-200
" Sterilized Water	...	gtt. xxx.

"Mix, and inject 5 to 15 drops hypodermically."

Supplied in tubes of 17, 1/9 each, or four tubes for 6/6

" " " 25, 2/- " " " 7/8

And in bottles of 100 at 7/4 per bottle.

"Codrenine" (P., D. & Co.)

"Codrenine" contains 2 per cent. of Cocaine Hydrochloride and about 1 in 15,000 of Adrenalin Chloride, or in other words 0.02 gm. (1.3 grain) of the former and 0.00006 gm. (1-1000 grain) of the latter in each c.c. (16.9 minims). For small operations or dental extractions "Codrenine" may be used undiluted, but for producing local Anæsthesia over a large area, one volume should be diluted with nine volumes of Physiological Sodium Chloride Solution. For dental extractions inject 0.5 c.c. (8 minims) into the gum a few minutes before operating.

1 oz. fluid bottles	...	...	2/6
10 c.c. bottles	...	...	1/-
1-2 c.c. ampoules, per doz.	...	...	2/6

ANÆSTHETICS.

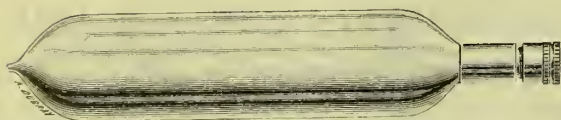
(continued.)

*Waite's Local Anæsthetic.*Price: 1 oz., 4/-; 6 ozs., 20/-;
16 ozs., 38/-; 20 ozs., 60/-.*Dr. BENGUE'S PURE ETHYL CHLORIDE.*

LOCAL ANÆSTHESIA.

GLASS TUBES.

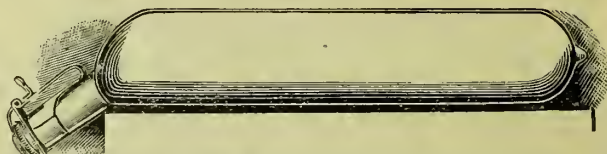
No. 1.



30 gr., screw caps	...	...	2/3
Boxes of 3 x 30 gr., screw caps	...	...	6/6

This pattern cannot be refilled.

No. 2.



30 gr., glass v.s.	...	2/6	50 gr., glass valve stopper	3/3
Refilling	...	1/6	Refilling	2/3
Boxes of 3 x 30 gr., glass valve stopper	...	7/6		
Boxes of 3 x 50 gr.,	...	9/9		
12 ampoules, 5 cc.,	5/3		12 ampoules, 3 cc.,	4/3

ANESTILE

Compressed in Nickel-plated Copper Cylinders.

(The Cylinders, when specified, can be filled with Ethyl-Chloride).

"ANESTILE" is a mixture of Ethyl Chloride and Methyl Chloride. For **Local Anæsthesia** "Anestile" gives better results and is preferred to Ethyl Chloride. "Anestile," being stronger than Ethyl Chloride, evaporates at a much lower temperature, and consequently Local Anæsthesia is produced much quicker and over a larger surface, which permits of larger operations being performed.

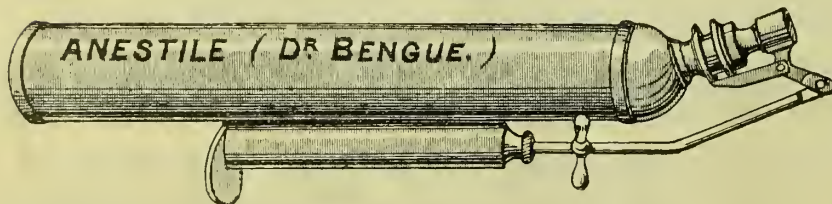
"Anestile," owing to the high pressure, is compressed in strong Nickel-plated Copper Cylinders of various forms. These Cylinders can be refilled. Repairs are executed free of charge when returned for refilling.

The advantages of "Anestile" can be summed up as follows:—

Absolute safety from breakage in transport and being carried about.

Greater economy, as a smaller quantity of liquid is required to produce the same effect; and further, by the use of these cylinders, which can be refilled *ad infinitum*.

Greater efficacy, as it produces Anæsthesia over a larger surface. By the introduction of a coarse Spray (No. 6, Stop Cock Cylinder) larger operations can be performed than those possible with finer jets. This is of special importance to the surgeon.



No. 4.

50 gr., metal valve stopper	...	...	3/9
Refilling	...	...	2/3
100 gr., metal valve stopper	...	...	6/-
Refilling	...	...	4/3

No. 5.

Automatic Anestile Cylinder (nickel plated copper), containing 75 grammes of Anestile	...	...	10/-
Refilling	...	...	4/-



ANÆSTHETICS.

(CONTINUED).

P.C.L. ETHYL CHLORIDE.

50 gramme Tube with Automatic Stopper, 2s. each, 18s. doz. Tubes.

STOPPER AS SHOWN IN ILLUSTRATION.

P.C.L. ANTISEPTIC POWDERS.

An Antiseptic and Astringent Powder for the preparation of a mouth wash to be used by the patient at home after extraction. This mouth wash also prevents septic complications. 1s. per doz. packets.



ACOLITE.

This is a metal produced for the specific purpose of restoring broken-down and lost tooth structure. It is silvery white in colour, is unaffected by the oral secretions, be they alkaline or acid, is not subject to discolouration in the mouth, and is a maximum resistant of galvanic action.

Acolite is a casting metal, and is peculiarly adapted for large restorations of decayed and broken-down teeth. In cases where roots are involved in the process of decay to the extent of being beyond the limit of restoration by other methods, they may readily be built up by the use of Acolite, and mounted with crowns.

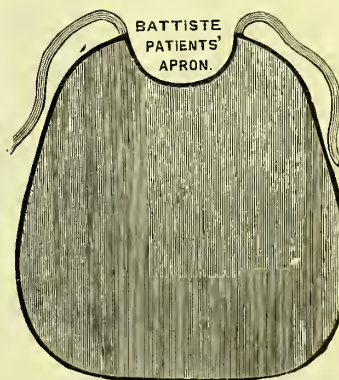
Acolite is the only base metal that is equal to gold for its purpose at a tenth of the cost. Owing to the low fusibility of Acolite, it may be cast direct to porcelain without danger of checking, and it may be cast with the Elgin or any other casting apparatus.

Price per ounce package ... 10/-

A useful item for the Dentist's Consulting Room

PATIENT'S APRON.

Size, 34 ins. by 32 ins.



Made of Sterilizable Battiste Cloth, which can be washed repeatedly without deterioration, is waterproof and sightly in use, and effectually prevents any soiling of the patient's dress.

Price, each in neat card box:

Small, 3/6 Large, 4/6 each.

Adrenalin.

Per oz. ... 4/-

Abscess Cure (Caulk's).

Per packet ... 6/6

Alboform.

Per packet ... 5/-

An Ideal Mummifying Paste.

Absorbent Napkins.

See Napkins.

Arnoda.

For saving exposed pulp and treatment of same.

Per packet ... 6/3

Absorbent Wool, &c.

See Johnson & Johnson's Goods.

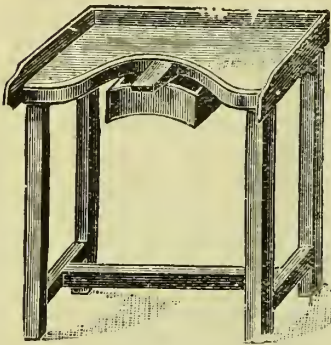
Amyl Nitrate.

Pearls, per doz. ... 2/6

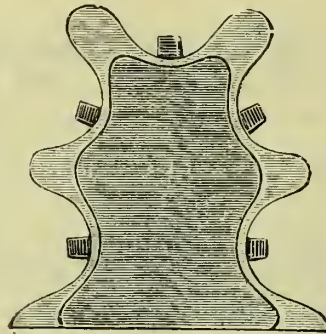
P.C.L. Anæsthetic Measuring Glass.

Each ... -/9

Boards and Work Benches.



No. 1.



FIVE PLACE BOARD.

Solid Oak Benches.

Superior make, suuk top with 2 legs, pins, double drawer	...	15/-
Ditto, on portable stand, as illustration	...	21/-
3 place, complete with double drawer	...	30/-
4 " " " " " "	...	54/-
5 " " " " " "	...	65/-

Boards made and designed to customer's specification.

Birch Work Boards.

Complete with two legs and pins.

One place, 28 in. wide, 22 in. deep	...	8/6
" 36 " 26 "	...	10/6
" with arm extension, 33 x 22	...	10/6

One place, portable, on substantial deal stand, as illustration, 28 in. wide, 22 in. deep	...	16/6
Ditto, 36 in. wide, 26 in. deep	...	18/6
Ditto, with arm extension, 33 in. by 22 in.	...	18/6

2 place, 2 legs and pins, 48 in. x 24 in.	...	15/-
2 ditto, on portable deal stand	...	21/6

3 place, 2 legs and pins	...	54 x 30	20/-
3 " " " "	...	60 x 36	24/-
3 " " " "	...	66 x 12	30/-
4 " " " "	...	70 x 38	33/-
4 " " " "	...	75 x 45	35/-
5 " " " "	...	72 x 48	42/6
5 " " " "	...	72 x 66	45/-
6 " " " "	...	72 x 86	56/-
7 " " " "	...	72 x 90	64/-

Double Drawers for above, 2/- each.

P.C.L. Blouses, Coats, Aprons.



No. 381.

Blouses to button on shoulder or partly down front, made in the following lengths:—

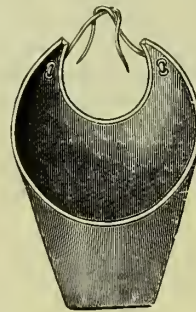
40 in., 44 in.,	2/6
45 in., 47 in.,	2/8
48 in., 50 in.,	2/9
51 in., 52 in.,	2/10

No. 382. COATS.

42, 44, 46, 48, 50, 52 in.,	3/6 each.
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No. 383. APRONS.

Small	...	each	-/9
Medium	...	"	-/11
Large	...	"	1/2



Dr. Horton's Bib.

In Check Waterproof Cloth.

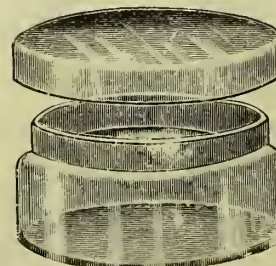
Price ... each 4/-

Bibulous Paper.

Packets of 50 ... -/8

Glass Boxes for Material, &c.

Fitted with Drop Over Loose Lid, No. 384, or
Ground Air Tight Lid, No. 385.



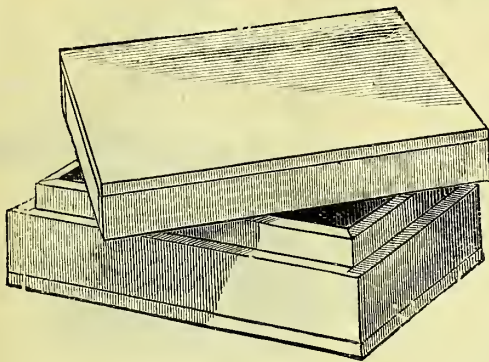
No. 384. DROP ON LOOSE LIDS.

Diam.	1½	2	2½	3	3½	4 in.
Height	1	1¼	1½	1¾	2	2 in.
	-/6	-/6	-/6	-/8	-/10	1/- ea.

No. 385. AIR TIGHT LIDS.

-/9 -/9 -/9 -/10 1/- 1/3 ea.

THE SHOULDERED BOX.



Price of Shouldered Boxes.

$\frac{1}{4}$ Set, $2\frac{3}{4}$ by $1\frac{1}{2}$ by $\frac{7}{8}$	...	...	...	2/- doz.
$\frac{1}{2}$ Set, $3\frac{1}{4}$ by $2\frac{1}{8}$ by 1	...	...	...	2/3 „
Set, $3\frac{3}{4}$ by $2\frac{1}{2}$ by 1	...	...	...	2/9 „

Ditto, covered in imitation Morocco Paper.

$\frac{1}{4}$ Set	...	...	...	...	2/6 „
$\frac{1}{2}$ Set	...	...	...	...	2/9 „
Set	...	...	...	...	3/3 „

METAL CORNER CARD BOXES.

Half and Full Set Sizes are fitted inside.

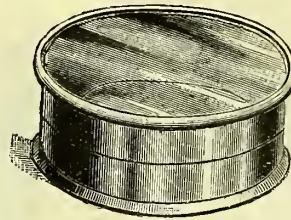


$\frac{1}{4}$ Set	...	...	8d. doz.	6/- gr.
$\frac{1}{2}$ Set	...	...	10d. doz.	9/- gr.
Set	...	...	1/3 doz.	12/- gr.

A very strong and serviceable Post Box.

TIN BOXES, GLASS TOP.

No. 388.



Nos. 1	2	3	4	5
$\frac{7}{8}$ x $\frac{7}{8}$	$1\frac{1}{4}$ x $\frac{7}{8}$	$1\frac{1}{2}$ x $\frac{1}{2}$	$1\frac{3}{4}$ x $\frac{1}{2}$	2 x $\frac{1}{2}$
8/-	8/6	9/-	10/6	11/- gr.
9d.	9d.	10d.	1/-	1/- doz.

Nos. 6	7	8	9	10
$2\frac{1}{4}$ x $\frac{7}{8}$	$2\frac{1}{2}$ x $\frac{7}{8}$	$2\frac{3}{4}$ by $\frac{3}{4}$	$2\frac{3}{4}$ x $\frac{7}{8}$	$2\frac{3}{4}$ x $1\frac{1}{8}$
12/6	22/6	25/-	27/6	30/- gr.
1/2	2/-	2/3	2/6	3/- doz.

ROUND COPPER BOILING-OUT PANS.

No. 386. THICK.



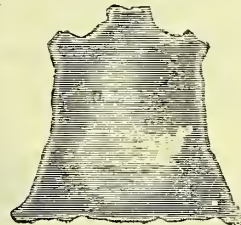
Diam., ins.—	$2\frac{3}{4}$	$2\frac{7}{8}$	$3\frac{1}{8}$	$3\frac{1}{4}$	$3\frac{3}{4}$	4	$4\frac{1}{8}$	$4\frac{1}{2}$	$5\frac{1}{8}$	6
Price—	10d.	11d.	1/1	1/3	1/5	1/8	2/	2/5	3/-	4/3



BOARD PINS.

Hard Beech.

Price, each... .. 1 $\frac{1}{2}$ d.



No. 244.

BOARD SKINS or BASILS.

2/-, 2/3, 2/6, 3/-, 4/-, 4/6, 5/-, 5/6, and 6/- each.

LEATHER COVERED BOXES.

Velvet inside.

$\frac{1}{4}$ Set, 1/4 each.

$\frac{1}{2}$ Set, 1/6 each.

Set, 1/9 each.

BELLOWS, BLOW-PIPES, ETC.

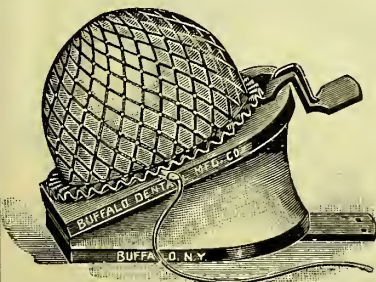
The following table will give an idea of the sizes of foot-blowers, the capacity and blast pressure:

Table of Sizes and Capacity of Foot-Blowers.

No.	Foot-Blower	Size of boards.	Diameter of air reservoir.	Pressure of blast per inch.	Cubic ft. of air per hour.
No. 9 or 10.	Foot-Blower	$7\frac{3}{4}$ by 9	7 $\frac{1}{2}$ in.	1 lb.	190
No. 9 A or 10 A.	Foot-Blower	10 by 11	9 in.	1 $\frac{1}{2}$ lbs.	330
No. 9 B or 10 B.	Foot-Blower	$11\frac{1}{2}$ by $13\frac{3}{4}$	11 in.	1 $\frac{3}{4}$ lbs.	625

FOOT BLOWERS.

BUFFALO BELLOWS.

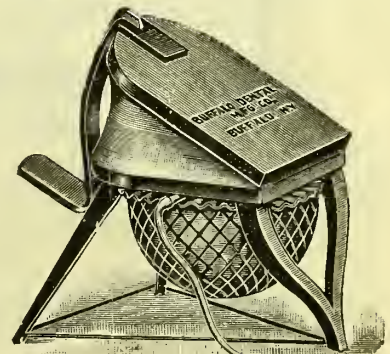


Style No. 9, 9a, or 9b.

Prices of Foot-Blowers:

No. 9.	Foot-Blower, with single disc	17/6
No. 9 A.	Foot-Blower, with double disc	22/6
No. 9 B.	Foot-Blower, with three discs	30/-
No. 10.	Foot-Blower, with single disc	22/6
No. 10 A.	Foot-Blower, with double disc	26/6

Rubber discs, 9 in. 2/-, 12 in. 3/-, 14 in. 4/- each

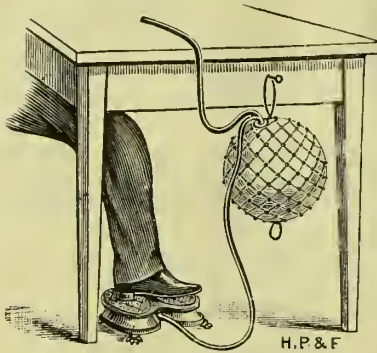


Style No 10, 10a, or 10o.

BELLOWS, BLOW-PIPES, ETC.

(CONTINUED).

"STANDINGS" BELLOWS.



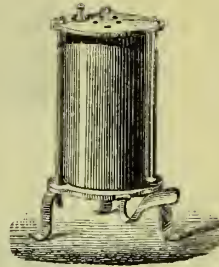
H.P.&F

Great saving of room.

Two Sizes, 17/6 and 23/- each.

Extra Rubber, Nets and Pipe, 9/- each.

BELLOWS.

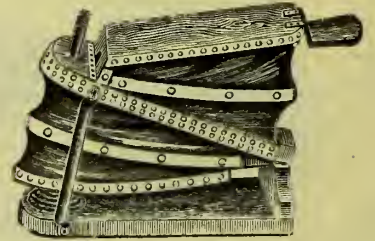


Strong Bellows.

Enclosed in Iron Case. Reliable, Safe and Clean.

No. 1.	31/6	...	...	No. 2.	39/6
No. 3.	47/6	...	..	No. 4.	55/-

C.J.P. BELLOWS.



A new Blower, cheapest ever made, guaranteed in every way.

Price :

6 in.	8 in.	9 in.	10 in.	12 in.
12/6	18/6	25/-	30/-	36/-

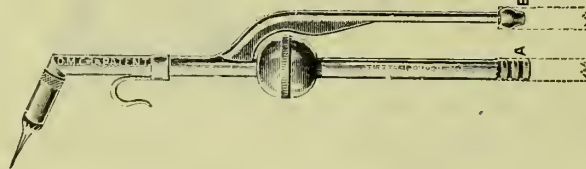
THE AUTO-GRIP BLOWPIPE.

British, United States, and Foreign Patents applied for.

Made in three sizes :

No. 1.—10 ins. long, $\frac{3}{8}$ in. Tube.No. 2.—13 ins. long, $\frac{5}{8}$ in. Tube.No. 3.—17 ins. long, $\frac{3}{4}$ in. Tube.

No Taps, no Levers to think of, or control.



YOU Grip, and the BLOWPIPE does the rest.

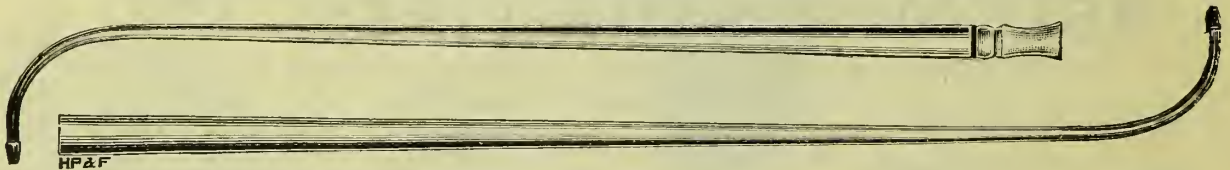
No. 1.—Brass Lacquered, 10/-

Nickel Plated, 10/6

No. 2.—Brass Lacquered, 12/-

No. 3.—Brass Lacquered, 14/-

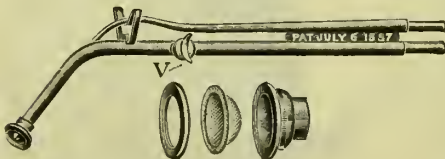
MOUTH BLOWPIPES.



HP&F

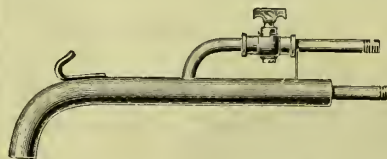
4d., 5d., 6d., 7d. each. 3/-, 4/-, 5/-, 6/- per dozen. Ditto with Bone Mouthpiece, 2d. each extra.

NEW NICKEL BLOWPIPE.



Very light, simple and effective, 10/-

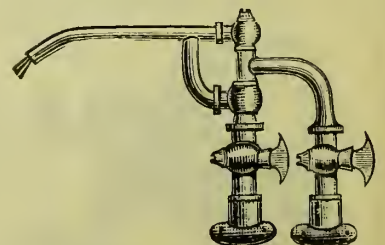
P.C.L. BLOWPIPES.



Small, 3/-

Large, 4/6

BENCH SWIVEL BLOWPIPE.



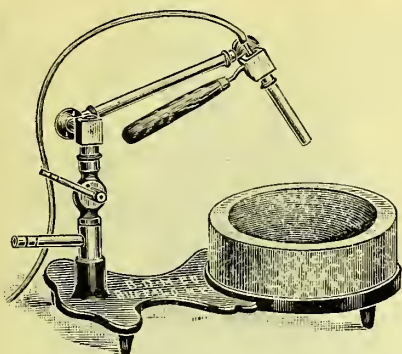
No. 142.

Turns off the gas and wind at the same time when not in use. Price, 11/- each.

MELOTTE'S BLOWPIPES.

Each 12/6

Orthodontia Soldering Stand.



No. 4B.

A Useful and Time-saving Tool.

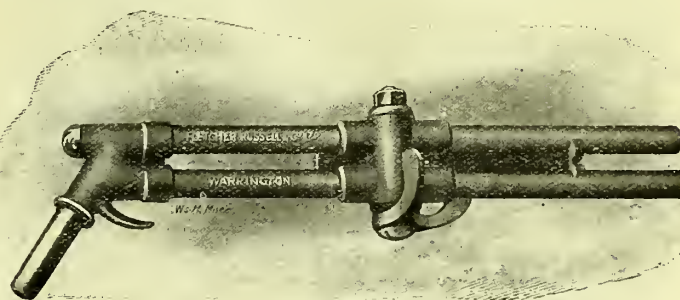
Price 19/6.

FLETCHER'S PATTERN "C" BLOWPIPE.



No. 131. Type B. Fig. C 8.

Total length, 13 ins. Gas supply, $\frac{1}{2}$ in. Price, with Taps, 10/-



No. 132. Type B. Fig. C 10.

Total length, 13 ins. Gas supply, $\frac{1}{2}$ in. Price, with Taps, 10/-

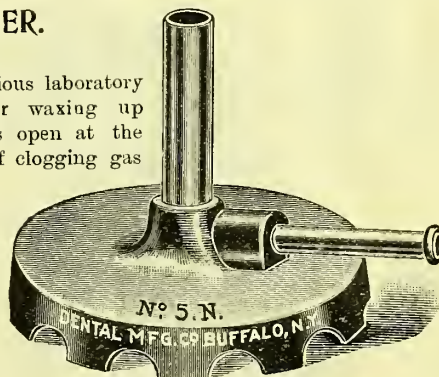
BUNSEN BURNER.

No. 151.

An efficient Bunsen for various laboratory uses; especially desirable for waxing up models. The burner tube is open at the bottom, avoiding the danger of clogging gas orifice with melted wax. It has a substantial japanned iron base, height, $2\frac{3}{8}$ inches. For natural or illuminating gas.

Price:

Bunsen burner, 1/-



FLETCHER'S BUNSEN BURNER.

These are the ordinary brass tube Bunsen. They are correctly proportioned in every detail, and of full theoretical power, working up to their maximum calculated duty in every case. All are screwed for connection.

The number gives the maximum gas consumption in cubic feet per hour at $\frac{1}{10}$ pressure.

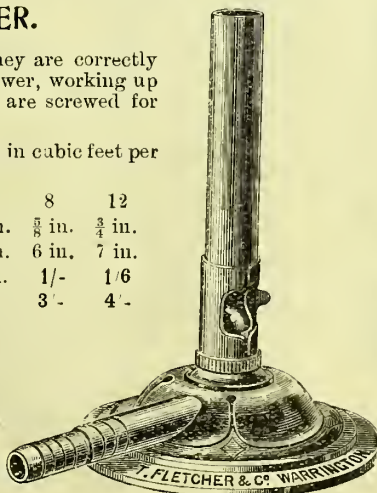
Number ...	3	5	6	8	12
Size of the tube outside ...	$\frac{3}{8}$ in.	$\frac{7}{16}$ in.	$\frac{1}{2}$ in.	$\frac{5}{8}$ in.	$\frac{3}{4}$ in.
Height without stand ...	$3\frac{1}{2}$ in.	$4\frac{1}{4}$ in.	5 in.	6 in.	7 in.
Price, each, without stand ...	7d.	9d.	10d.	1/-	1/6
Price, on brass stand ...	2/-	2/2	2/4	3/-	4/-

If fitted with tap, 1/- extra.

Small Gas Bunsen to be used in place of Spirit lamp, 2/- each.

All have air slides; these enable the smaller sizes to be used with a blowpipe without the necessity of loose internal tube.

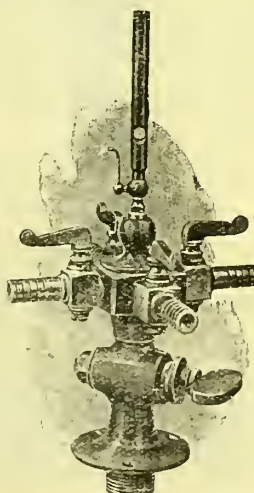
No. 150. Same pattern on iron stand, 1/- each.



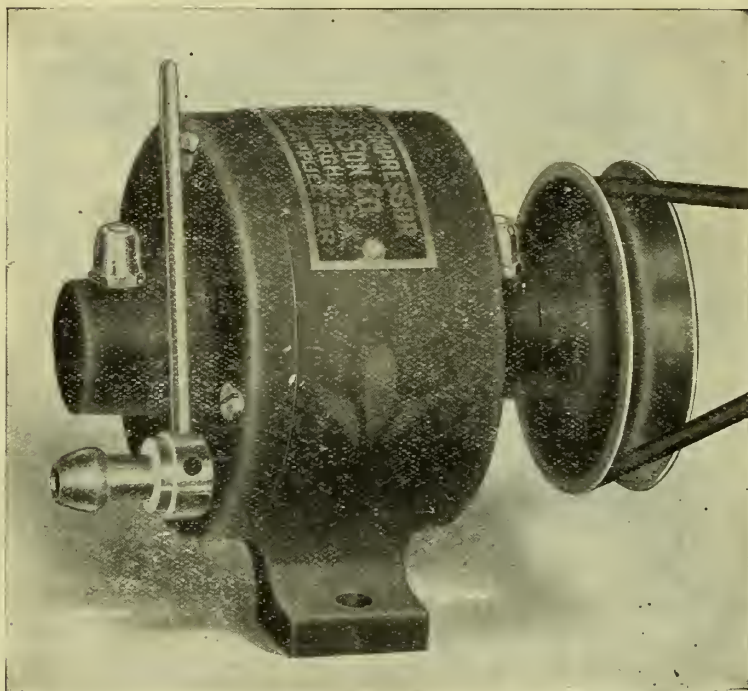
New Pattern Gas Distributor for Laboratory Tables.

This is fitted with pilot light, which can be converted into a small Bunsen, as in the old pattern, and with four $\frac{3}{8}$ -in. taps for rubber tubes.

Price, 17/-



The "Vernon" Rotary Compressor.



This is a wonderful machine. It amounts to the same thing as having compressed air in your building. It is only 3 inches high and $1\frac{1}{2}$ inches thick, and weighs $2\frac{1}{4}$ lbs. When coupled up with your electric lathe it entirely does away with the old fashioned bellows. It gives you all the air you can possibly use in an absolutely steady flow. The more speed the greater pressure. One machine will operate any number of blowpipes, as well as a Fletcher gas furnace, &c. It will do anything a bellows will do. The air is sucked in at one side, compressed by the revolving fibre paddles, and forced out the other. It simply can't get out of order.

Price, each **30/-**

Bronze pulley for any lathe, extra ... **4/-**

New 1902 Registered Bunsen.

No. 152.



	Number 6	8	12
Diameter of Tube	$\frac{1}{2}$ in.	$\frac{3}{4}$ in.	$\frac{3}{4}$ in.
Price, without stand	1/4	1/9	2/3
„ with Brass Stand	2/10	3/9	4/9
„ with Cast Iron Stand	2/-	2/6	3/-

Bunsen Burner.

No. 154.

Curved Tube, Price 1/6 each.

Ditto, Nickel Plated, small, 1/9 each.

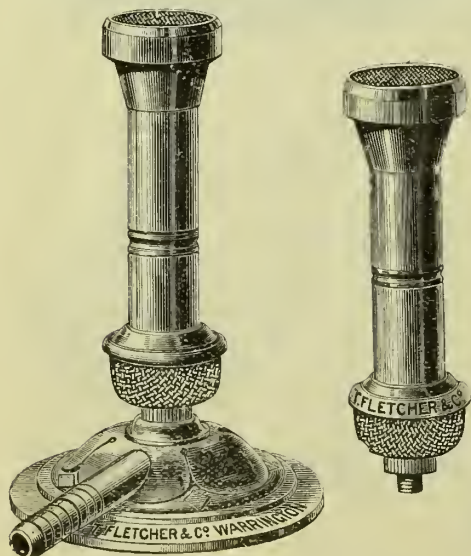


Fletcher's Patent Safety Bunsen.

No. 153. IMPROVED PATTERN.

Number	...	...	5	10	14
Diameter across top of ganze	...	...	$\frac{7}{8}$ in.	$1\frac{1}{2}$ in.	$1\frac{1}{2}$ in.
Height without stand	...	...	$3\frac{3}{4}$ in.	$4\frac{3}{4}$ in.	6 in.
Price without stand	...	...	1/9	2/3	3/-
Price on brass stand	...	...	3/6	4/6	5/9

SETS.—No. 10 Size, each burning 10 cubic feet of gas per hour. Mounted in clusters of four burners (40 feet per hour), 13/-; seven burners (70 feet per hour), 20/-; twelve burners (120 ft. per hour) 33/-. Total height, 6 inches.



Universal Blowpipe.

On Stand with Swivel Joint, and with Straight or Bent Air Inlet as ordered.

No. 3, Price 9/3. Small size on stand (as engraved).

The same, with tap for gas, 11/-

No. 5, Price 13/9. Large size (as engraved) on stand.

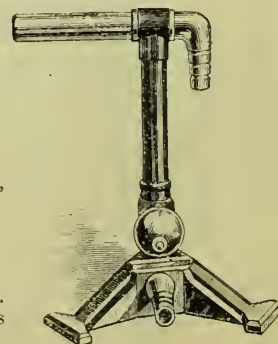
This requires a $\frac{3}{8}$ in. bore gas supply pipe. The same, with tap for gas, 16/6.

Gas supply required for full power :

Smallest size Blowpipe, $\frac{3}{8}$ in. pipe.

Large size Blowpipe requires $\frac{3}{8}$ in. clear bore pipe and tap.

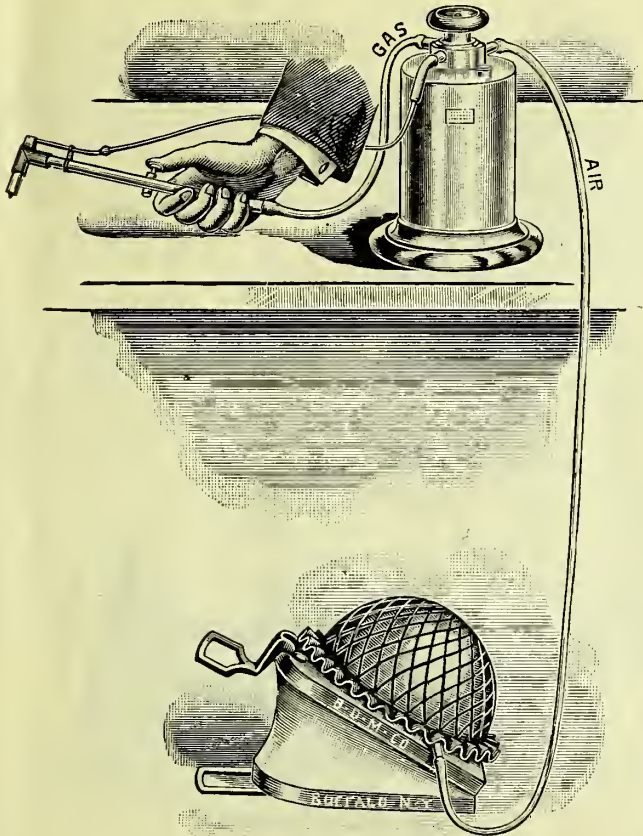
If used with our Foot Blowers, the smallest size requires No. 3 Blower, the large size No. 5.



PETROL BLOWPIPE OUTFITS.

METAL GASOLINE, OR PETROL BLOW-PIPE OUTFIT.

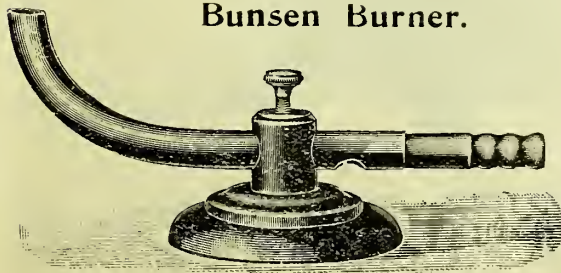
STRONG, SERVICEABLE AND UNBREAKABLE.



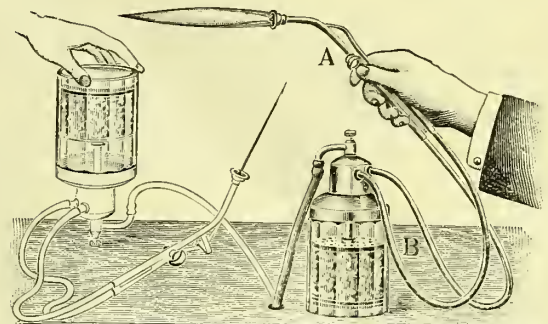
No. 145.

Complete with Generator, Bellows, Blowpipe and Tubing...	68/6
Bellows	19/9
Blowpipe	10/6
Generator	38/3

Bunsen Burner.

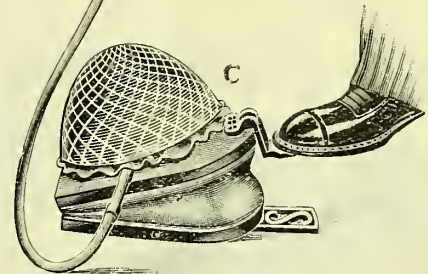


No. 155. Adjustable to any angle. Price, 1/6 each.



PAT. JULY 6, 1897
PATENT PENDING

So Simple.
So Easy.
So Economical.



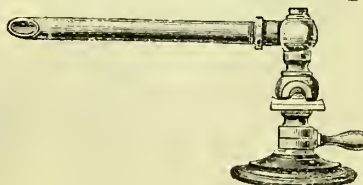
An absolutely safe glass generator has been provided. The mixture of air is regulated by the valve on top of the generator, thus producing the true blue flame. This valve serves to graduate the air supplied above the absorbent and there mixed with the vapour-laden air forced through the absorbent, thereby insuring absolutely correct proportions for perfect combustion under all conditions. A powerful flame may be maintained for a great length of time without impoverishing the fluid. The improved thumb valve "V" on the blowpipe permits instant or gradual change of flame from heavy brush to the finest needle point. When set the valve remains permanently in position, and an unvarying flame is produced. This outfit is absolutely "non-blow-out." By means of a special clip the handpiece will stand alone on the work bench in any desired position.

Price complete with bellows 59/-
Ditto, without annealing branch 52/6

The above without bellows less 19/9 each off above prices.

See it in use in our Showroom.

Soldering Burners



To screw on board, 1/9 each.



With iron foot, 2/6 each.

Cheap Standard Burners.

No. 209. New Series, Design and Form Registered.

These, like all our burners, are as perfect in every detail as can possibly be made; the *only* difference is that the casting is made in a simpler way, and the support for vessels is not so broad, requiring more care when large pans are used. All our burners are equally perfect, we make no second or inferior quality.

Size.	Quarts of water boiled per hour in a light broad-bottomed vessel.	Diameter across support for vessels.	Price.
C 12	12	4 $\frac{3}{4}$ in.	1/0
C 15	15	5 $\frac{1}{2}$ in.	1/6
C 20	20	6 in.	1/9

The difference between these and the cheap burners commonly sold will be appreciated when burning, by the appearance of the flame, and by the *smell* of the common make when used.



Fig. 200.

FLETCHER'S ARGAND BUNSEN.

A cheap, simple and indestructible Burner for small laboratory work. The flame of these Burners is shorter, more compact, and higher in temperature than an ordinary Bunsen, and is also free from smell. The air supply is self-adjusting.

The sizes given are the bore of the horizontal tube.

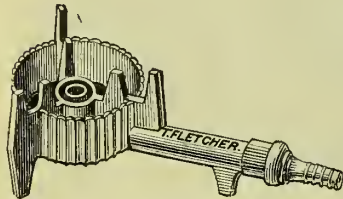


Fig. 201.

GAS CONSUMPTION.			Price with Tripod. Fig. 201.	Price without Tripod. Fig. 200.
$\frac{1}{2}$ in. size	3 $\frac{1}{2}$ ft. per hour	...	3/3	2/6
$\frac{3}{4}$ in. ,, ...	7 ft. ,, ...	...	4/-	3/-

All the above work perfectly with air gas or coal gas, but if the gas is rich, the tip of the brass gas jet may want knocking in a shade smaller. If made too small, the burner lights back.

Fig. 200. Suitable for One Flask Vulcanizer.

SPECIAL HIGH POWER BURNER.

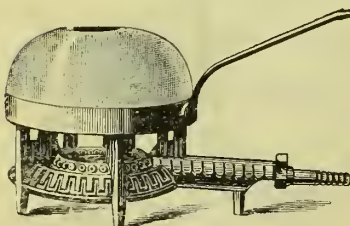


No. 231.

Burner, which is the one shown in the engraving, will, with the ordinary day pressure of gas, boil one gallon of water in a flat copper vessel in seven minutes, or ten gallons per hour.

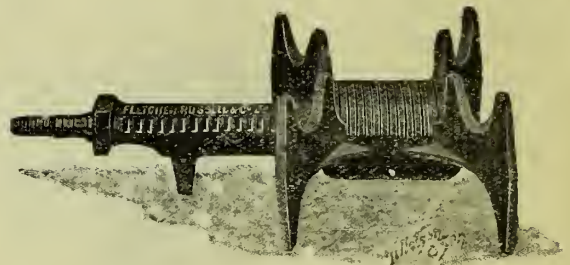
Price with tripod as illustrated.	Price without blast arrangement.	Price of combined form to be used with or without blast.	If with pure nickel gauze extra.
s. d.	s. d.	s. d.	s. d.
6 0	4 0	6 0	2 0
8 0	6 3	9 0	3 0
—	12 6	20 0	4 6
—	26 0	34 0	8 0

HEATER and STOVE.



No. 233. Price: Burner, 1 10. Dome, 4/-. Complete, 5 10. Iron Dome, 10d.

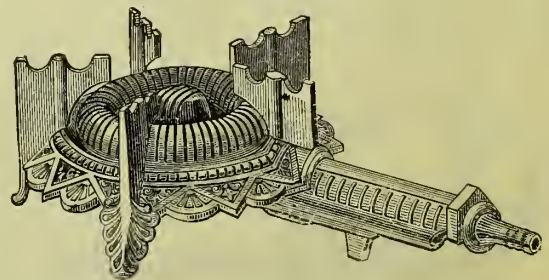
This consists of a porous fire-clay dome, resting on one of our No. 10 Standard Burners, size of dome inside, 4 in. diameter, 2 in. deep. It will take work up to 3 ins. diameter, and will heat a block of iron over 1 lb. in weight, to clear redness with the ordinary burner, as engraved, without the assistance of a blowpipe or blast of air.



No. 232.

A Iron	2/- each.
B Porcelaine Enamelled	2 10 ,,

This is one casting, practically indestructible, and will boil water in a light kettle at the rate of over two quarts in twelve minutes. Consumption 12 ft. per hour at full power.

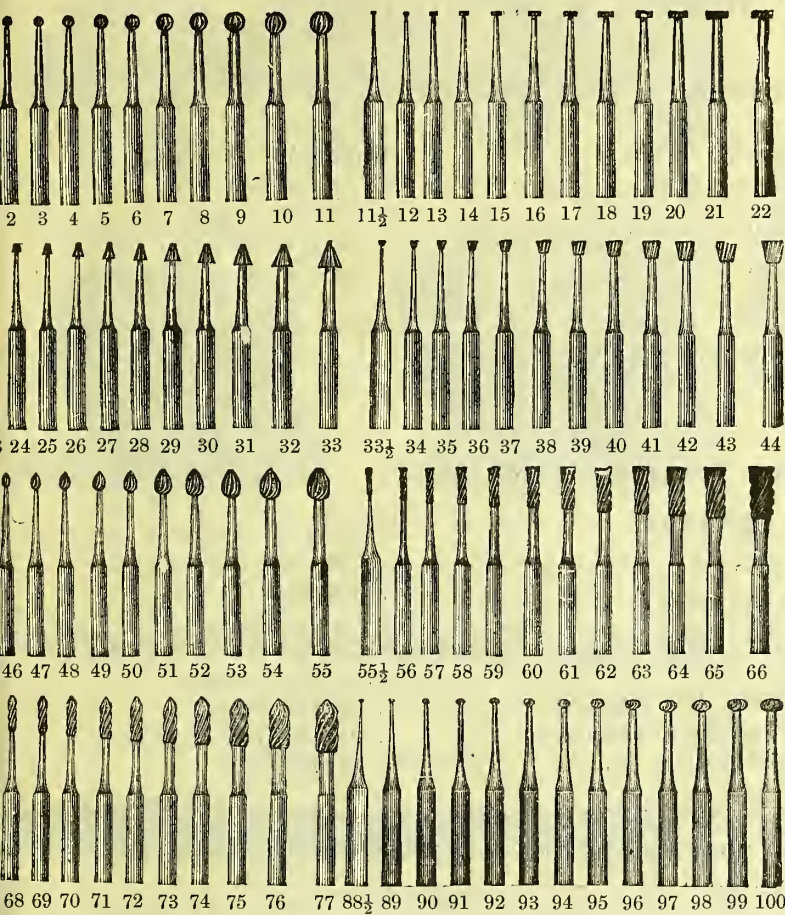


PATENT RADIAL BURNERS.

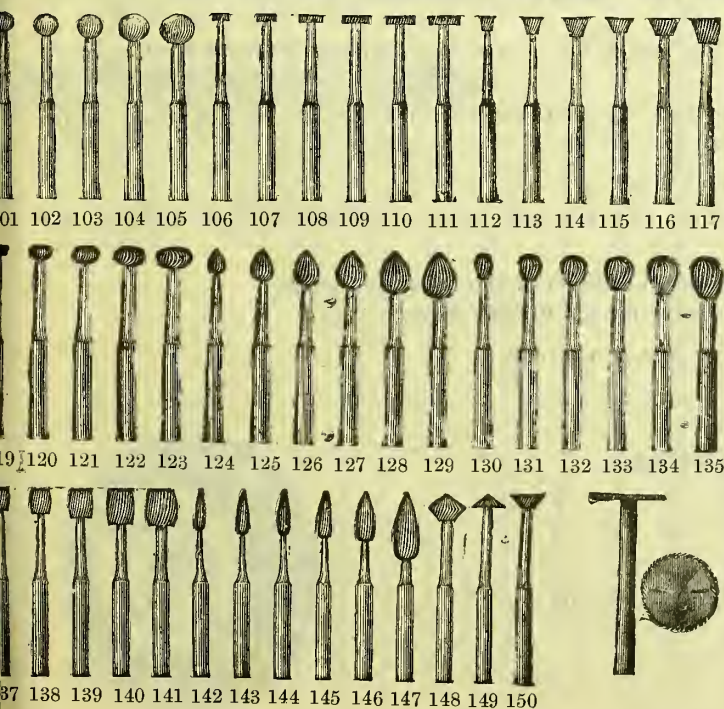
No 234. Small Size—	Price.
S R. Maximum consumption 12 ft. per hour ...	4/6 ea.
Large Size—	
L R. Maximum consumption 20 ft. per hour ...	6/6 ,,
This pattern is also supplied without stand	3/- & 4/- ,,

BEST LONDON MADE.

tone Cut Cavity Burrs. 2/6 doz., 24/- Gross.

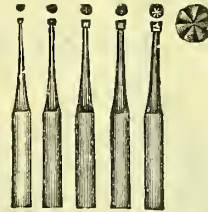
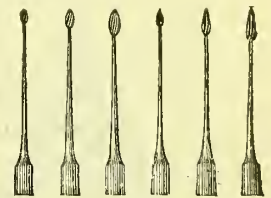
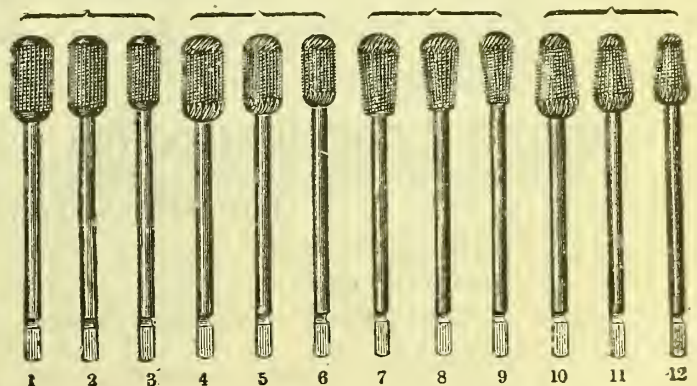


Plug Finishing Burrs. 8/- doz.



Angle Burrs, &c., same price. For Cone Journal Handpiece, 1/6 per doz. extra.

PERFORATED STUMP CUTTERS, 2/- each.
 OTTOLENGUE'S ROOT TRIMMER, 1/6 each.
 " " FACER, 2/- each.
 BUFF CARRIERS, 9d. each.

CROWNING BURR,
9d. each.No. 2 BURR,
2/6 doz.
24/- gross.No. 1.
R. A. BURR,
2/6 doz.
24/- gross.SAFE SIDE BURRS,
4d. each.FLEXIBLE BURRS,
8d. each. 6/- doz.VULCANITE BURRS,
9d. each.NEW SHAPE BURRS,
4/- doz.

VULCANITE BURRS, 9d. each.

BURRS.**“REVELATION” BURRS. S. S. WHITES.****For Chuck Handpieces and Angle Attachments.****EXCAVATING.****Each 5d. Per doz. 4/2**

Nos.	$\frac{1}{2}$ to 7	Round.
„	$11\frac{1}{2}$ to 18	Wheel.
„	$33\frac{1}{2}$ to 40	Inverted Cone.
„	$44\frac{1}{2}$ to 51	Bud.
„	$77\frac{1}{2}$ to 84	Pear.
„	$88\frac{1}{2}$ to 95	Oval.

DENTATE.**Each 6d. Per doz. 5/2**

Nos.	502 to 507	Round.
„	579 to 584	Pear.

Each 7½d. Per doz. 6/3

Nos.	557 to 562	Flat End Fissure.
„	568 to 573	Pointed „

Each 7½d. Per doz. 6/3

Nos.	8 to 11	Round.
„	19 to 22	Wheel.
„	41 to 44	Inverted Cone.
„	85 to 88	Pear.

Each 6d. Per doz. 5/2

Nos.	$55\frac{1}{2}$ to 62	Flat End Fissure.
„	$66\frac{1}{2}$ to 73	Pointed „

For No. 6 (Cone Journal) Handpiece.**EXCAVATING.****Each 6d. Per doz. 5/2**

Nos.	$\frac{1}{2}$ to 7	Round.
„	$11\frac{1}{2}$ to 18	Wheel.
„	$33\frac{1}{2}$ to 40	Inverted Cone.
„	$44\frac{1}{2}$ to 51	Bud.
„	$77\frac{1}{2}$ to 84	Pear.
„	$88\frac{1}{2}$ to 95	Oval.

DENTATE.**Each 7½d. Per doz. 6/3**

Nos.	502 to 507	Round.
„	579 to 584	Pear.

Each 8½d. Per doz. 7/3

Nos.	557 to 562	Flat End Fissure.
„	568 to 573	Pointed „

Each 7½d. Per doz. 6/3

Nos.	$55\frac{1}{2}$ to 62	Flat End Fissure.
„	$66\frac{1}{2}$ to 73	Pointed „

Each 8½d. Per doz. 7/3

Nos.	8 to 11	Round.
„	19 to 22	Wheel.
„	41 to 44	Inverted Cone.
„	85 to 88	Pear.

S. S. W. DIAMOND STARTING POINTS FOR HANDPIECE, 3/- each.

RE-CUTTING BURRS, 1/6 per dozen.

“IDEAL” (REVELATION CUT) BURRS.

We are pleased to announce that we have a large stock of these Burrs, which are made of the finest Sheffield Steel, specially manufactured for the purpose.

These Burrs are all Cut by Machinery, and are guaranteed to be absolutely accurate, the machinery being so perfect that the Burrs are never touched by hand, thus ensuring perfect uniformity.

Every Burr is examined through a microscope before leaving the factory.

“Ideal” Burrs will cut tooth substance quickly and smoothly and with the least amount of pain, and will retain their shape and edge longer than any other burr made.

Compare these Burrs through a microscope with the ones you have been buying, and we have made you a customer for the “Ideal” Burr.

Price, 3/- per doz., 30/- a gross.

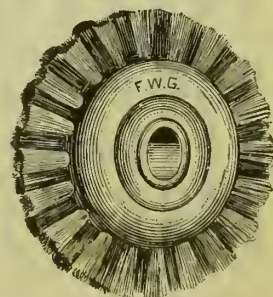
BURR CLEANING BRUSHES.**For Dental Engine.**

Brass Wire, 1/6 each.

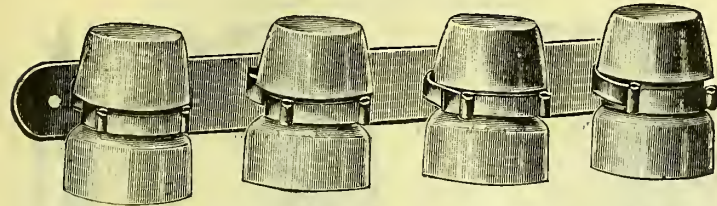
German Silver Wire, 2/6 each.

Bristle, 1/6 each.

May be had with Hub and Screw if required.

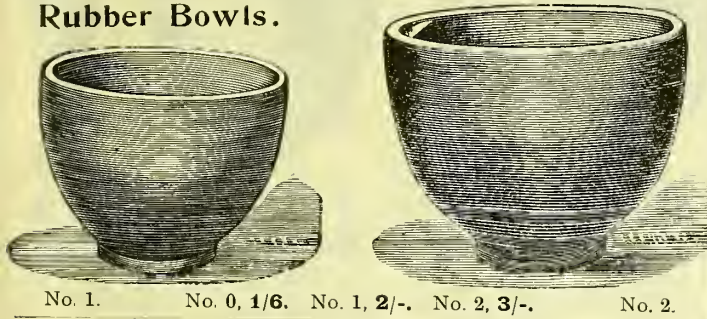


BOTTLES, &c.



4 Bottles with Metal Holder to screw on table, 3/6. Bottles only, 6d. each.

Rubber Bowls.



No. 1. No. 0, 1/6. No. 1, 2/- . No. 2, 3/- . No. 2.

Broach Holder or Pin Tongs.

MAY BE HAD WITH HOLE THROUGH.



Special for Dentists. 1/3 each. Vulcanite Handle. Metal or Bone Handle. Small, 6d. each.

Broach Holders.



Plain, 6d. each.



Wood Fluted, 5d. each. 4/6 per doz.



Steel, in two sizes, 4 1/2 d. each.

Steel Broaches.



9d. per doz. Do. Soft, 9d. per doz. See also Nerve Instruments.

Steel Broaches or Reamers.



Acid Bottles for Testing Gold, 6d. each.

Named Bottles, 1/- each. Various names in stock or to order.

Do. large size 1/- each.

Bottles for Cabinets, 8d. each.

Burr and Drill Holders.

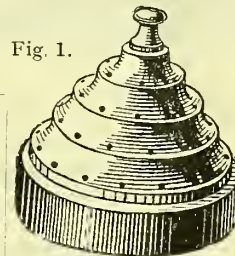


Fig. 1.

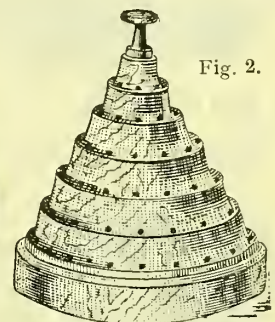


Fig. 2.

Figs. 1 & 2, Wood, 2/6. Nickel Plated on Wood, 4/-

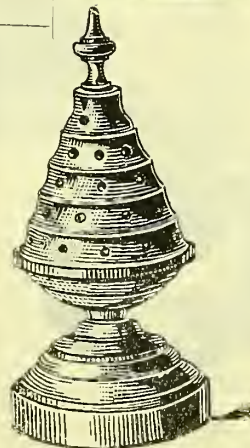
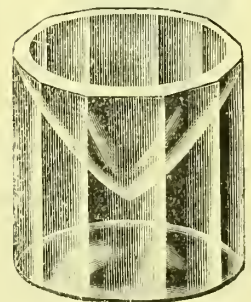


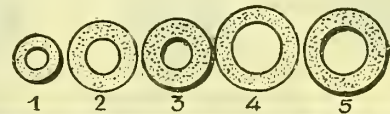
Fig 3. Revolving, Nickel Plated, 5/6 each.

Dappens Mendicament Glasses.



Various Colours, 5/- doz.

Burr Trays, 2/6 upwards. Burr Boxes, 1/3 each.



1/- box. 10/- dozen boxes.

BEST QUALITY PLATE BRUSHES.

White Hair, Hard or Medium Hard.



4-row, 6d. 5-row, 7d. 6-row, 8d. 7-row, 9d.
8-row, 10d. 9-row, 1/- 10-row, 1/3.

BONE-BACK WASHING OUT BRUSHES.

1d. per row, 2, 3, 4, 5 and 6-row in stock.
Best quality, 1½d per row.

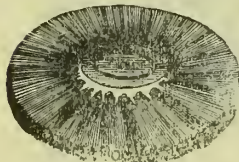
FILE CLEANERS.

On blocks, 2/6 per dozen, 3d. each.

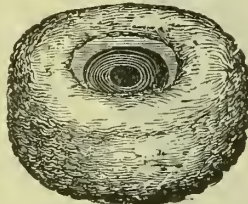
FILE CARD, cloth to clean files, &c., 6d. to 1/- a foot.

BRUSHES, BUFFS, &c.—Lathe Brushes.

Best Quality only. White, Grey, or Black.



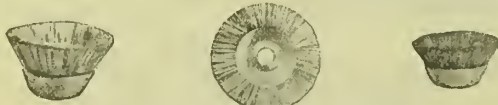
3-row, small, 5d. each, 4/6 doz.,
50/- gross.
3-row, ordinary, 6d. each, 5/- doz.,
54/- gross.
4-row, ordinary, 8d. each, 7/- doz.,
70/- gross.

WOOL MOPS, LATHE.

Plain round, 6d., 8d. 10d. each.

PORTE POLISHER BRUSHES.

1/- dozen. 10/6 gross.

ROBINSON'S BRISTLE BRUSH DISCS.

4/- dozen. 42/- gross.

CUP BRUSHES.

6d. each.

BORAX PLATE.

2½d. each.

2/- per doz.

FELT WHEELS AND CONES.

All Shapes and Sizes. Best Quality.

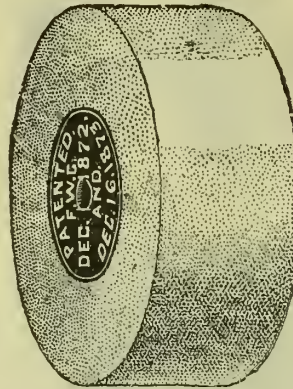


Fig. 1.

Fig. 1 or 6. Felt Wheels, Solid.

1½ in. diam.	4d. each.
1¼ in. "	5d. "
1½ in. "	6d. "
1¾ in. "	8d. "
1½ in. "	10d. "
2 in. "	1/- "
2½ in. "	1/3 "
2½ in. "	1/6 "

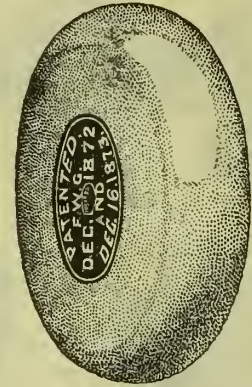


Fig. 6.

Felt Wheels, Sharp Edges.

1½ in. diam.	3d. each.
1¼ in. "	4d. "
1½ in. "	5d. "
1¾ in. "	6d. "
1½ in. "	8d. "
2 in. "	10d. "
2½ in. "	1/1 "
2½ in. "	1/4 "



Fig. 7.

No. 268.

No. 269. Felt Wheels, Wood Centre.

1½ in. diam.	5d. each	2½ in. diam.	1/6 each
1¾ in. "	5d. "	3 in. "	2/- "
2 in. "	8d. "	3½ in. "	2/6 "
2½ in. "	10d. "	3½ in. "	3/- "



Fig. 2.

Cone Felts



Fig. 3.



Fig. 4.

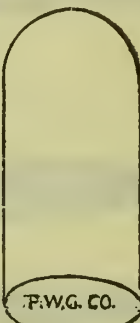
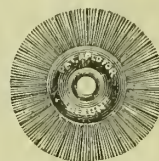


Fig. 5.

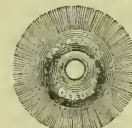
4d. to 8d. each.

DIXON'S BRISTLE DISCS.

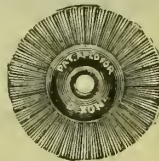
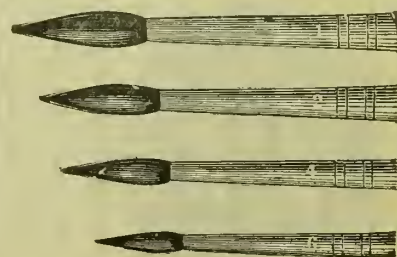
Look like others—but they are Different.

Any style. Fig. 6014.
"STIFF."

4/- doz., 42/- gross.

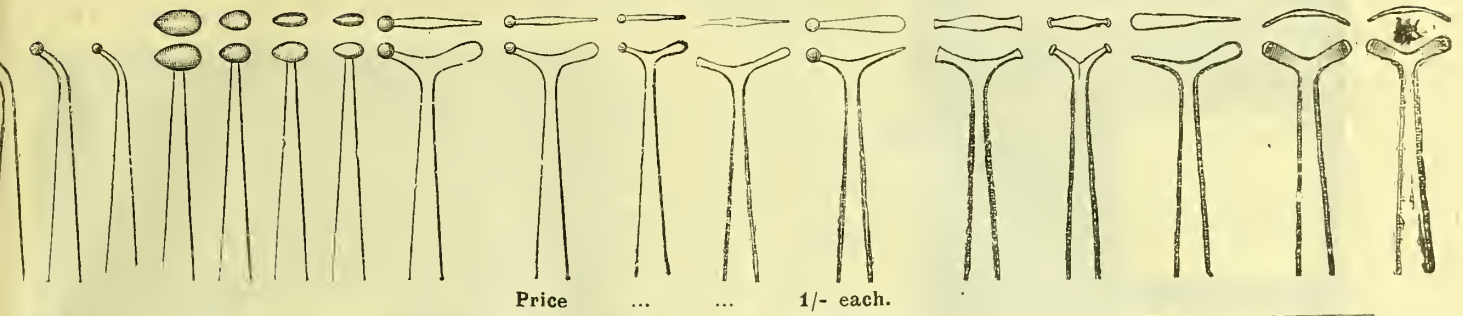
Fig. 6016.
"STIFF."

Or mounted on Mandrell, 4/- per dozen.

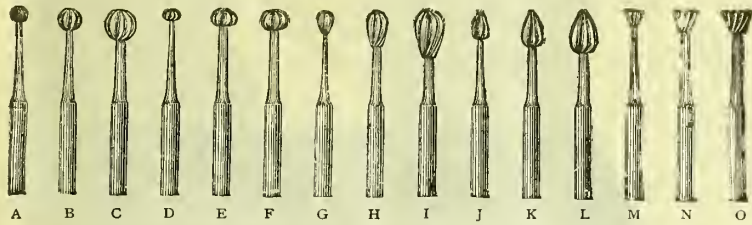
Fig. 6017.
"STIFF."Fig. 6015.
"SOFT."**BORAX STICK.**Great saving in use. 6d. each.
BORAX, 10d. per lb.**BORAX PENCILS.**

From 4d. per dozen.

STEEL BURNISHERS. (See also Plastic Instruments).



Price ... 1/- each.



ENGINE BURNISHERS, 4/- doz.

BABBET'S METAL, 3/- per lb.

BOWLING'S SPECIALITIES.

(See Casting Machine.)

BISMUTH, 16/- per lb. (fluctuates).

BIBULOUS PAPER SERVIETTES,

100, 1/3; 500, 5/6; 1,000, 10/6.

BATTERIES. (See Electrical.)

This Wall Bracket is simple in construction, neat in appearance, and strong.

The bar on which the table is fastened is nickel plated, and the balance of the frame is nicely decorated.

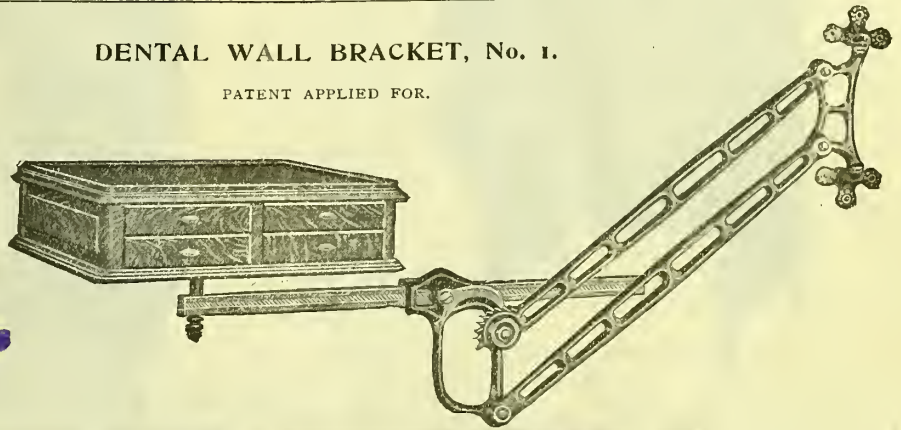
When fully extended it reaches 52 ins. from place of attachment, and the extension from the wall can be shortened to 34 ins. The variation in height of the table is 3 ft. The movements of the bracket require the use of but one hand. We know this bracket will give anyone satisfaction who gives it a trial.

Price, Bracket, without Table, 25/- 32/6

With Table, 30/- 57/6

DENTAL WALL BRACKET, No. 1.

PATENT APPLIED FOR.

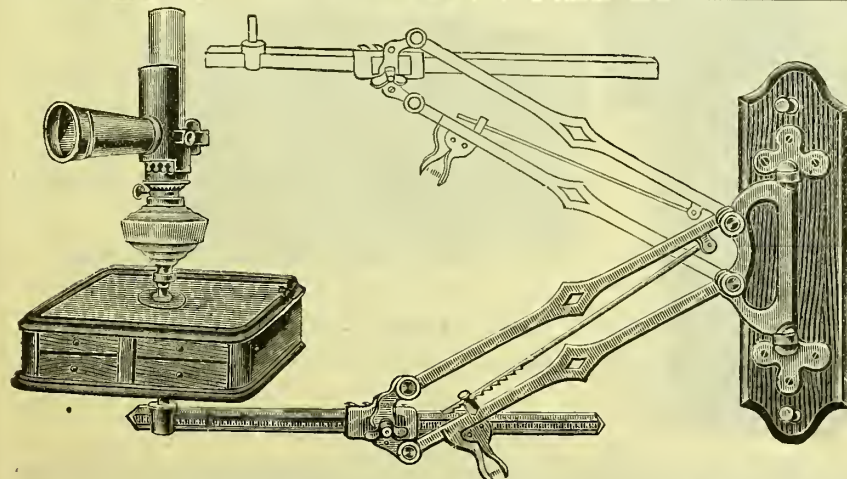
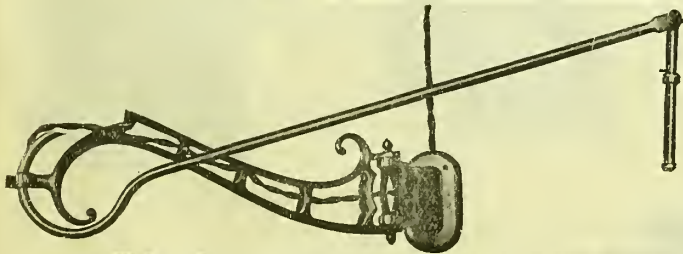


New Bracket, Oxidised Copper, Screwed end to take Electric Lamp or other fitting. Very handsome and useful.

As illustrated, Oxidised Copper ... 20/-

ditto with Extra Extension Arm 21/-

ditto Polished Brass and Japanned 14/6



ORIGINAL BRACKET,

No. 1 A.

PRICES.

Nickel Plated all over, including wall board and two hooks, complete ... £2 10 0

Half Plated, half Black Enamelled ... 2 2 0

Price does not include Table or Lamp, &c.



Bench No. 3, Open.

BENCHES FOR WORKROOM OR SURGERY.

Gold Bench No. 3 is the most complete Bench of its kind on the market. The top is of "Resisto."

Below the slide at top of tier of drawers are drawers containing compartments for files, plate cutters, benders, punches, &c., as well as two deep plain drawers.

The lower drawer contains the foot bellows. If bellows is not used in this drawer, it may be turned around, and the front end becomes the rear end, and the opening is covered with a panel furnished with the Bench.

Under the filing block is a drawer with compartments for holding gold plate, wire, solder, &c., and it also contains a borax block.

Below the gold drawer is a slide of zinc for catching gold filings, which fall to centre into a screw cup removable from bottom.

Gold Bench No. 3 £4 18 0.

Bellows extra, from 18/6 each.

Size of Bench : Height, 40 ins. ; Depth, 16½ ins. ; Width, 35½ ins.



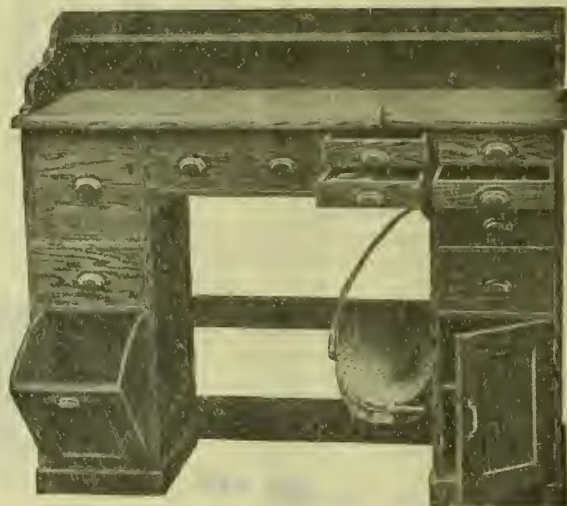
Bench No. 4, Open.

PRICES :

Plaster Bench, with Maple Top, Golden or Weathered Oak Finish £3 15 0

Ditto with Asbestos Top, Golden or Weathered Oak Finish 4 4 0

No. 4 Plaster Bench.

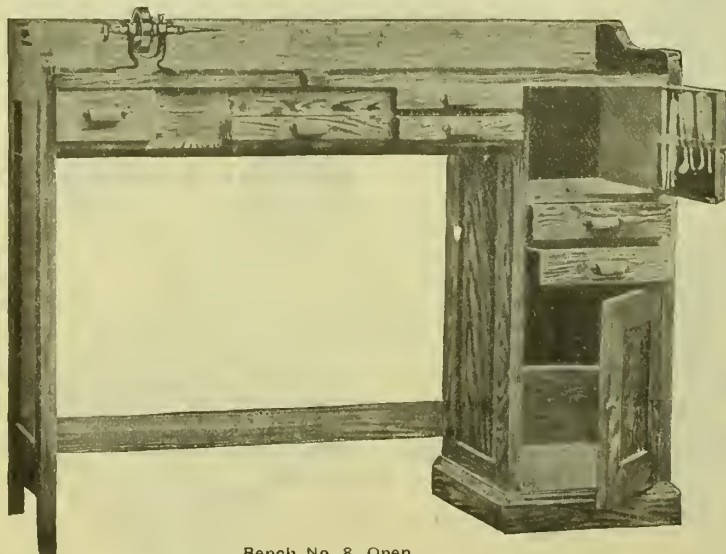


Combination Bench No. 7, Open.

Bench No. 7 is for "all-around" work, and is made with a view to economizing space, and giving all possible conveniences. It is substantially built, with a good, hard, well-wearing finish. The working surface of "Resisto" is roomy, of a convenient height, and, that it may be easily kept free from encumbrances, a shelf is provided above it. It is acid and fire proof, and very strong.

Price, £6 0 0. Bellows extra, from 18/6 each.

Size of Bench : Length, 52 ins. ; Height, 44 ins. ; Depth, 18 ins.



Bench No. 8, Open.

No. 8.

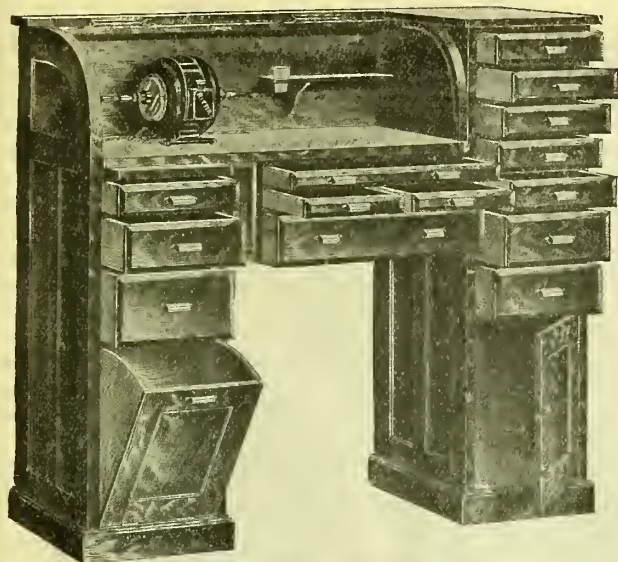
Vulcanite Bench No. 8 contains all the conveniences necessary for Vulcanite work.

It has a large working surface, giving ample room for the polishing lathe at one end, and the vulcanizer at the other.

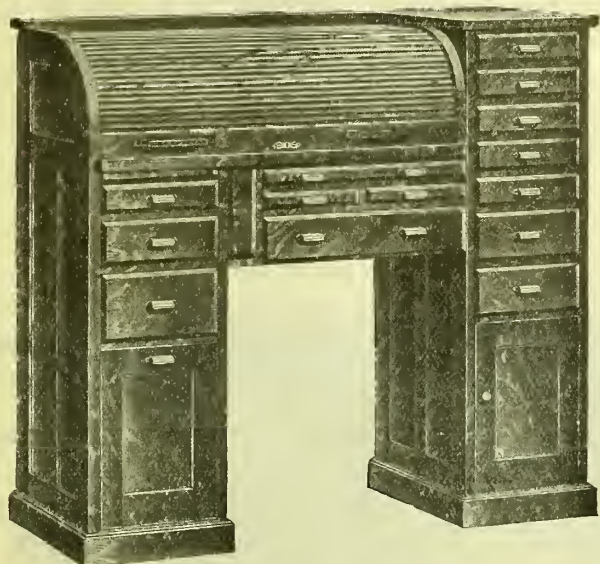
Height, 40 ins. ; Depth, 17 ins. ; Width, 49 ins.

Price £3 15 0.

COMBINATION BENCH No. 15.



Combination Bench No. 15, Open.



Combination Bench No. 15, Closed.

This Cabinet is also intended for the operating room, and it is therefore well finished. An electric lathe is shown in the illustration to call particular attention to the fact that there is room beneath the roll curtain to accommodate one.

A foot power lathe can be used, if desired, in which case the lathe belt would run between the left hand and centre tier of drawers.

The higher top is intended for the vulcanizer when in use.

Below this top is a tier of seven drawers. One of these contains a grooved bottom for holding tools, and the balance are plain drawers.

The lower top, or working surface, is covered with "Resisto" lumber $\frac{3}{4}$ inch thick. A maple filing block, that is removable, is found at the front edge of working surface, just over a drawer with pan for catching gold filings.

At the left, and immediately beneath the top, is a slide which, when extended, will be found a convenient place for the crown outfit when in use, besides giving additional working surface.

Below the slide are three drawers. The top one contains a grooved bottom, for the gold-working tools, such as files, pliers, &c.

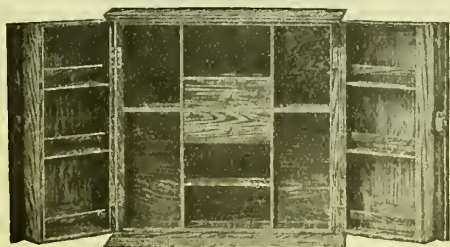
The other two are plain deep drawers, intended for articulators, plaster bowl, &c.

DIMENSIONS.

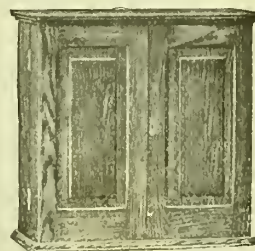
Height, 47 ins.; Depth, 19 ins.; Length, 51 $\frac{1}{4}$ ins.;
Working Surface, 17 by 36 inches.

PRICES.

Combination Bench No. 15, Quarter-sawed Oak, any finish, with "Resisto" Working Surface ...	£12 12 0
Combination Bench No. 15, Mahogany, any finish ...	14 14 0
Foot Bellows, extra from	0 18 6
Motor extra, prices from 70/- each.	



Medicine Closet, Open.



Medicine Closet, Closed.

Medicine Closets are conveniently arranged and well made. Special ones built to order.

DIMENSIONS: Depth, 8 $\frac{1}{2}$ ins.; Height, 20 $\frac{1}{4}$ ins.; Width, 20 $\frac{1}{4}$ ins.; Shipping Weight, 50 lbs.

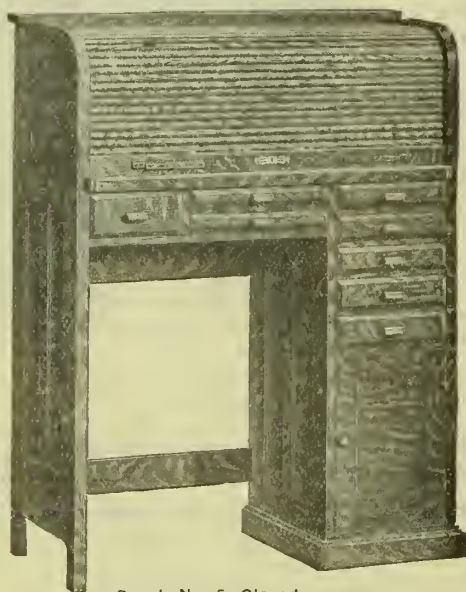
PRICES.

Medicine Closet, Plain Oak	27/6
Medicine Closet, with Bevel Mirror in each door	36/6

BENCH No. 5.



Bench No. 5, Open.



Bench No. 5, Closed.

Perhaps the first thing to be noticed about this Bench is the amount of room beneath the roll top. It is made in this way so as to accommodate an electric oven, or an electric lathe.

A foot power lathe can also be used, if desired, the lathe belt running between the left hand drawer, and the two shallow ones in the centre.

The ends are hinged, and they may be opened while you are at work, so as not to obstruct the light.

The two long shelves at the back of the Bench beneath the roll top will be found convenient for the storage of bottles, or other articles that might otherwise be an obstruction on the working surface.

The top drawer in the right-hand tier, contains a grooved bottom for holding tools. The two next below contain adjustable partitions, and the other two are plain drawers.

The two shallow drawers in the centre, just below the removable filing block, are for gold filings, gold plate, solder, borax block, etc.

The deep drawer at the left is divided into several compartments for the polishing materials.

The foot bellows can be placed in the closet at the base, if desired, or this closet can be used for other purposes to good advantage.

The Cabinet is made of quarter-sawed oak, has a durable finish, and is fitted with good hardware.

The roll front, when closed, automatically locks the two centre drawers.

Resisto is an ideal working surface. Will not break, and is acid proof, fire proof and water proof.

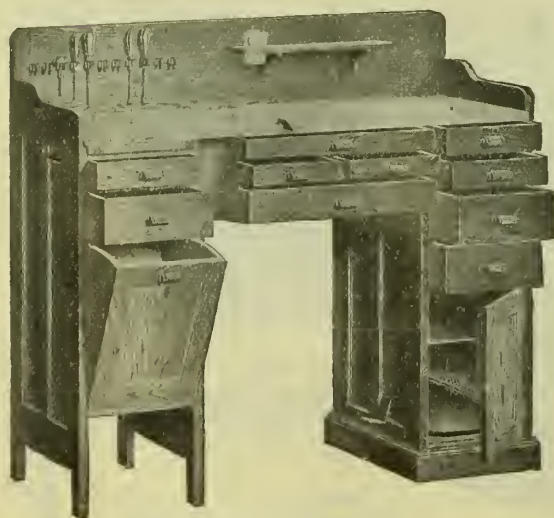
DIMENSIONS:

Height over all, 50 inches; Height to working surface, 36 inches; Width, 40 inches; Depth over all, 18 inches.

Shipping weight, 225 lbs.

PRICES:

Bench No. 5, Quarter-sawed Oak, any finish	£10 0 0
Bench No. 5, Mahogany, any finish ...	11 5 0



Combination Bench No. 10, Open.

Bench No. 10 is our most popular piece of laboratory furniture. It is on about the same plan as the No. 15, with the exception that the vulcanizer stand is omitted, giving it a much larger working surface. It doesn't have a roll top, and is not built of quarter-sawed oak, neither does the plaster bin extend to the top.

This Bench was the first Combination Bench placed on the market at a reasonable price. Although it has been extensively copied, the demand for it has increased each year.

Resisto makes an ideal working surface. It is acid proof, water proof and fire proof.

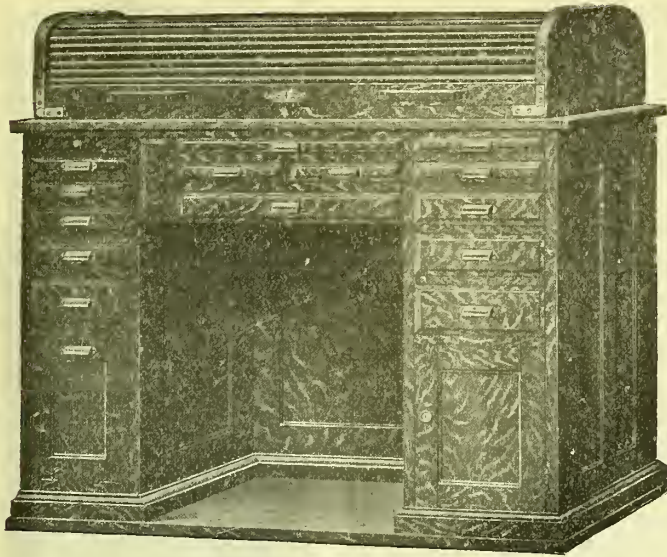
DIMENSIONS.

Height 45 ins.; Depth, 17 ins.; Length, 51 ins.

£5 17 6

Bellows extra, from 18/6 each.

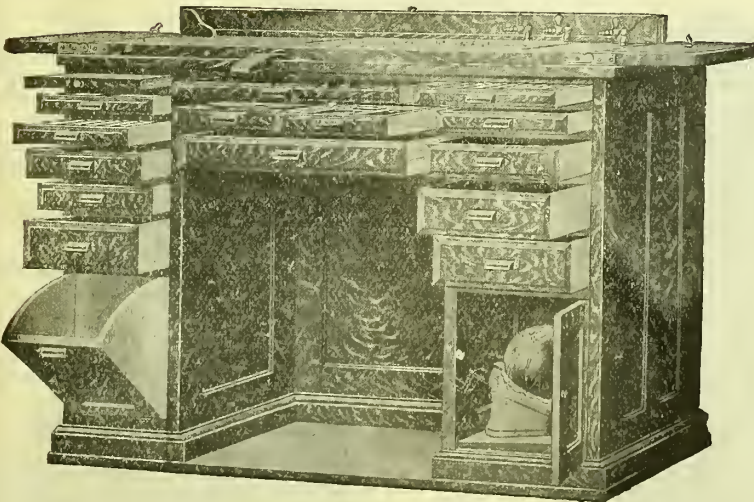
MECHANICAL CABINET No. 14.



Mechanical Cabinet No. 14 Closed.

DIMENSIONS:

Height over all, 47 ins.; Length, 46½ ins.; Depth, 19 ins.;
Shipping Weight, 400 lbs.



Mechanical Cabinet No. 14 Open.

PRICES:

Mechanical Cabinet No. 14, Quarter-sawed Oak, any finish, Golden, Weathered, Antwerp and Flemish, carried in stock	£14 14 0
Mechanical Cabinet No. 14, Mahogany	16 16 0
Bellows extra, from 18/6 each.	

This Cabinet is intended for use in the operating room, and the finish is therefore first-class.

It is most complete in its arrangements, and will provide our customers with a cabinet that is suited for every kind of laboratory work.

The roll curtain, when closed, locks automatically all the drawers, except the waste drawer, and when opened, it disappears at the back. The ends fold back, as will be seen by engraving of cabinet, open, and are flush with the balance of the top, presenting a much better appearance than when put on in the ordinary way, besides making a larger working surface.

The top is of oak, with a polished marble slab set in at one end, as will be plainly seen by referring again to the cut of cabinet open.

At the left is a slide, a tier of drawers of various depths, and a plaster bin. The top drawer is fitted with grooved bottoms, convenient for holding tools.

The one next below is divided by a partition running lengthwise, while the others are plain drawers.

The plaster bin is made oval at the bottom, so as to enable one to get out all the plaster easily.

The larger shallow drawer in the centre is intended for the tooth stock. In a large drawer of this kind the boxes may be opened, and laid side by side, thus enabling one to see every tooth at a glance. Next below, just under the maple filing block, which is removable, is a drawer to catch the gold filings. It is of zinc, and made so that the filings go to the centre, falling into a removable cup.

At the right of this drawer is one that contains depressions suitable for holding the different carats of gold plate, solder, etc. It also contains a borax block.

Next below is a waste drawer, for waste plaster, etc., lined with galvanized iron. It is connected with the top of the bench by a metallic chute at the rear.

Between the left-hand and centre tier of drawers is a vacant space, through which the lathe belt may run.

At the right is another tier of drawers. The top one is fitted with a grooved bottom for tools.

The one next below is divided by partitions running crosswise, and the balance are plain drawers.

At the bottom of the tier is a cupboard, into which a bellows can be placed, and also contains a shelf, which will be found useful.

The bench is piped for gas and air.

The bottom board is a distinctive advantage, in that it affords a place to screw the foot-power. When this is screwed to the floor, the cabinet cannot be easily removed from one place to another, and in many city offices having tiled floors it is almost a necessity.

A few points of advantage over the laboratory cabinets offered by some of our competitors:—

Quarter-sawed oak is used instead of plain oak;

It provides a place for a lathe;

It contains a large drawer for waste plaster;

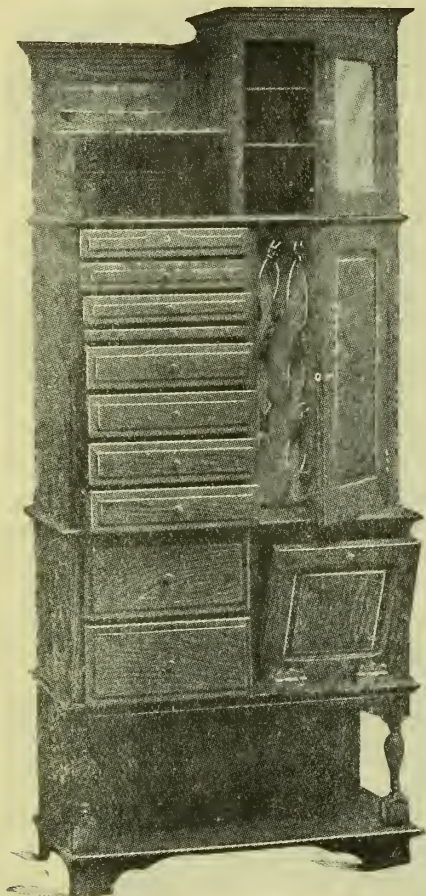
It contains a plaster bin;

It contains a convenient tooth drawer;

In short, it is a complete bench for gold work, for plaster work, and for vulcanite work.

The finish is much better, as well as the workmanship.

CABINET No. 50.



This Cabinet is well made, nicely proportioned, and has a first-class finish. The medicine closet is entirely separate from the balance of the cabinet, thus avoiding danger of corrosion from the fumes of the medicines, and is closed by a door containing a bevel mirror. Beneath this closet is a compartment for forceps, which is lined with cabinet cloth, and just below this compartment is a cupboard for soiled linen, which is covered by a self-closing door. Behind the forceps is a large closet.

At the opposite side of the cabinet is a row of nine drawers of different depths, of which seven are locked automatically by closing the bottom drawer. The bottoms of these drawers are 12 by 13 inches. The top one is arranged with a series of depressions for holding small instruments, and also contains a burr block.

The drawer next below has a grooved bottom for holding the long-handled instruments, and a third one is provided with a number of compartments for strips and a tray for discs. Beneath these three drawers is a slide at convenient height for a working surface.

The other six drawers are plain, and are intended for instruments or supplies, as the dentist may see fit. The cabinet has good hardware and is provided with casters. It is made of Oak, has a golden oak finish, rubbed and polished, and the interiors of all drawers are finished.

DIMENSIONS: Height, 69 ins.; Width, 29 ins.; Depth, 14 ins.

PRICE:

Oak, Golden Finish £9 10 0.

CABINET No. 51.



DIMENSIONS: Height, 64 ins.; Width, 27 ins.; Depth, 17 ins.

PRICES:

Quarter-sawed Oak, any finish, Golden, Weathered and Flemish £11 11 0
Mahogany 13 13 0

The convenience of its arrangements, the workmanship and finish, and its low price, make this the greatest cabinet value on the market.

In the upper left corner are seven small drawers. The upper three are provided with grooved bottoms for holding the long-handled instruments. These grooves are so inclined as to prevent the instruments sliding forward when drawers are closed.

The fourth drawer contains a block with several shallow depressions, which will be found convenient for broaches, separating files, etc.

The fifth drawer is divided into compartments convenient for rubber dam, punch, clamp, forceps, etc.

The sixth drawer has several compartments for the different grades of polishing strips, and also a tray containing pegs for polishing discs.

The seventh is a deep drawer intended for supplies and materials. The above-described drawers are automatically locked by closing the bottom drawer, which is provided with a lock and key.

At the right of the small drawers is a compartment with room for 140 burrs.

Below the burr compartment is a closet of the same size, which will be found convenient for storing bulky materials, absorbent cotton, rubber dam, etc.

At the upper right is the medicine closet, which is arranged with three shelves to accommodate different sized bottles, and also a drawer. This closet is closed with a door having a bevelled mirror panel.

Below the upper section is a slide, and beneath this slide are five drawers, the upper of which is provided with our movable partitions. This enables one to make compartments that will fit any sized article. The other three are plain drawers, which may be used for napkins, towels and supplies of various kinds. At the right of these drawers is a door which, when opened, exposes two surfaces which are provided with hooks for the extracting forceps, and back of inner door is a large closet.

CABINET No. 41.



Cabinet No. 41, Closed.

This is one of the best medium-priced Cabinets on the market. It is substantially built, durably finished, attractive in appearance, convenient in design, and novel in its drawer arrangement. In the upper part, where the finer instruments will be within easy focus of the eye, are corner-hinged metal frames with wood fronts, into which are fitted our white enamelled iron aseptic instrument trays. These trays are of a form that permit the ready selection of the long-handled instruments. The points are supported above the floor, and the floor serves as a light reflector. When an operation is in progress, the class of instruments desired may be lifted in the tray from the frame, and placed on the bracket table or cabinet, if desired. When the operation is finished, the trays with the instruments in them may be sterilized in boiling water, holes in the trays permitting the egress of the water, when removed from the sterilizer, the heat of the instruments evaporating the moisture.

Thorough sterilization of instruments is so necessary, that in connection with our aseptic instrument trays we have designed efficient sterilizers, one for gas, and one for the electric current, for use with them.

In the centre of the upper part of the cabinet is also a rotatable burr block, with graduated steps for the engine instruments of various lengths, the block being made of the segment of a circle, and with the individual holes for the instruments drilled, so the instruments flare from the centre, and are easily accessible.

A spacious medicine closet, isolated from instruments and supplies, and a gold drawer, with a secret opening device, are most conveniently located.

The upper part of the cabinet is most ingeniously locked. When the engine instruments are rotated out of view a flange on the side of the burr rack laps the ends of the drawers at the left, and the bolt of the lock in the medicine closet door engages in a hole made for it in the burr block. One key, therefore, secures the contents.

Many operators desire a cabinet with a working surface, and yet prefer not to give up the convenience found in those of the upright design. In this cabinet their preferences are satisfied. A roomy working surface is provided at just the right height, on which may be conveniently placed any of the instruments or supplies used during an operation.

Beneath a roomy working surface are three rotatable trays. The upper one is partitioned for the punch, clamp forceps, pliers, and tools of that nature. The central one has superior facilities for classification of discs and strips, according to sizes and grits, and compartments for the very small things, and the lower tray is for the forceps. The intention is that the dentist may easily swing into view any class of instruments, or supplies desired, and as readily return it into the cabinet when through. Below the trays is plenty of storage room.

Surmounting the cabinet proper is a bevelled-edge mirror of graceful shape.

In the base, behind the pannelled door, may be placed a good fire-proof safe, and one that is a perfect protection against sneak thieves. It has a three-tumbler combination lock and dial, and inside, a drawer and spaces for register, and other things of value.

The Cabinet has a finished back, three-ply drawer bottoms, a good grade of hardware, is fitted with castors, and is, as we stated in the opening paragraph, a first-class piece of furniture at a medium price.

DIMENSIONS.

Height, 65 ins.; Width, 27 ins.; Depth, 18½ ins.

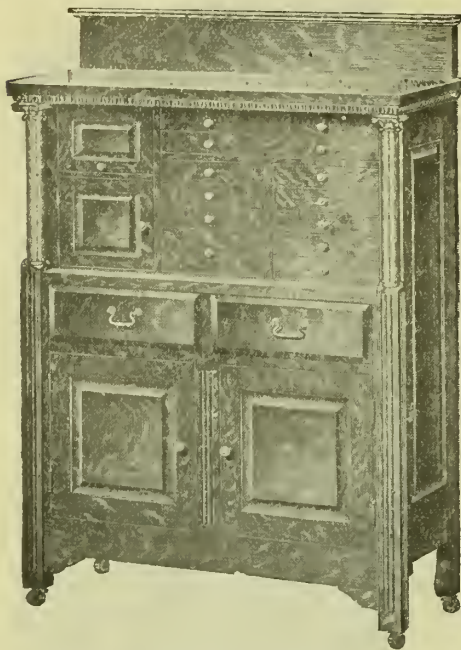
Shipping weight, 225 lbs.; with safe, 300 lbs.

PRICES.

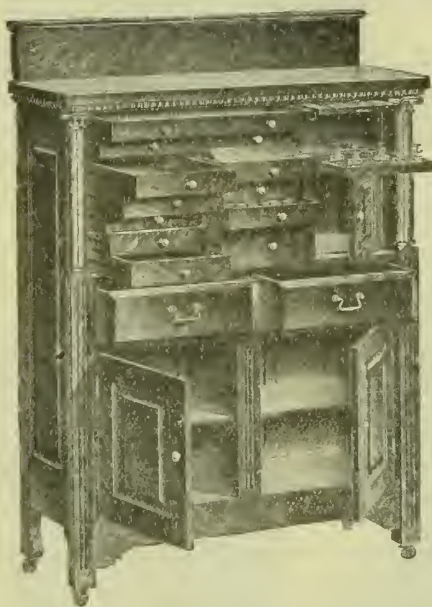
Cabinet No. 41, Quartered Oak, any finish	...	...	...	£14 14 0
Cabinet No. 41, Mahogany	...	...	...	16 16 0
Safe, extra	...	...	...	4 4 0



Cabinet No. 41, Open.



Cabinet No. 60, Closed.



Cabinet No. 60, Open.

CABINET No. 60.

In order to supply the demand for a low Cabinet at a low price, we placed this design on the market. It is as well made and as well finished as the higher priced Cabinets, and will be found very conveniently arranged.

The medicine closet is at the right of the Cabinet, and will accommodate both large and small bottles. The small bottles are placed in the top part of the closet on a sliding shelf that cannot be entirely withdrawn, and are held in place by movable partitions, so that they cannot be spilled. This part of the closet is closed by a door that disappears at the top. The lower section of this closet will contain the larger bottles that are not so often used.

At the left of the medicine closet are eleven instrument drawers. The long ones at the top contain grooved bottoms for holding the long-handled instruments. With long drawers like this, it is possible to have all the long-handled instruments before you at one time, and saves the opening and closing of a lot of small drawers. Should one of these long drawers be sufficient, the grooved bottom can easily be removed from the other one, so as to make it available for other purposes.

The balance of the instrument drawers are especially arranged as follows.—

One for discs, with 25 round bottomed compartments.

One for strips, with 6 compartments for the various grits and grades, and with hinged doors, so as to make it convenient to fill.

One for burrs, containing a folding block, which enables you to raise the points of the burrs above the drawer front.

One for small instruments, with round bottoms, which makes it easy to get the instruments out.

One for larger instruments, such as dam punch, clamp forceps, etc.

One for adjustable partitions, which you can arrange to fit any instrument or supply.

Two without divisions for forceps, and one deeper one for the larger supplies.

In addition to the above there are two large deep drawers for clean linen, and two cupboards at the base fitted with adjustable shelves.

There is also a secret drawer.

All drawers and cupboards are finished inside, and all drawers are locked by closing the top drawer.

Should one buy this Cabinet now, and later wish to add a switch-board to his equipment, the back panel may be removed, and a switch-board top put in its place.

The Cabinet has a finished back, and is provided with a good grade of hardware.

DIMENSIONS.

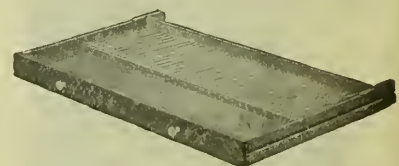
Height over all, 50½ ins.; Height to working surface, 46 ins.;
Width, 36 ins.; Depth, 15 ins. Shipping Weight, 325 lbs.

PRICES.

Cabinet No. 60, Quarter-sawed Oak, any finish, dull or polished, including Plate Glass Top	£13 13 0
Cabinet No. 60, Mahogany, any finish, dull or polished, including Plate Glass Top	15 15 0
Mirror back on No. 70,	£1.

Shewing a few of the Fittings of Cabinet No. 60.

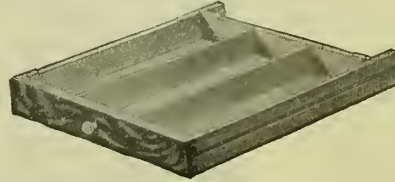
For Discs.



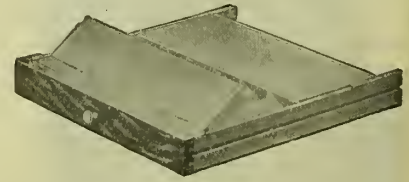
For Long-handled Instruments.



Drawer with Adjustable Partitions.



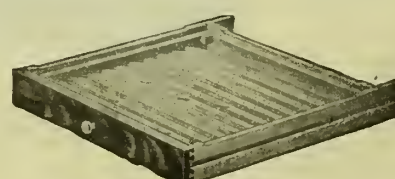
For Punch, Pliers, Clamp and Forceps.



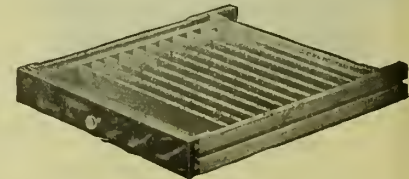
For Strips.



For Small Instruments.

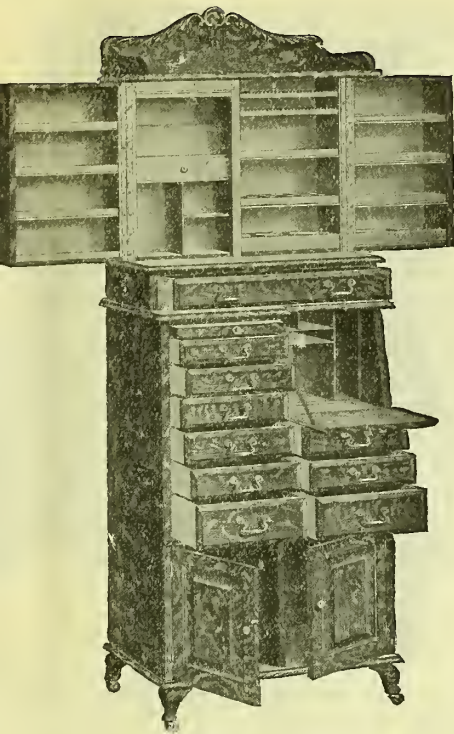


Removable Burr Block, Closed.



Removable Burr Block, Open.

CABINET No. 57.



Cabinet No. 57, Open.

This Cabinet is a handsome piece of furniture, but the convenience of its arrangement is its most important feature.

All instruments and many supplies that are often used, as well as the medicines, are at your fingers' tips.

One of the disadvantages of drawers for instruments is that when one is open, it must be closed before you can get at the contents of any other, and to a less extent this same difficulty applies to swinging trays. In this cabinet no shelf or tray is in the way of any other. Just reach for what you want, and you will find it in plain sight, and easily got at.

The interior of top sections, when open, presents a most pleasing appearance. It is lined throughout with Birds-eye Maple, and its shelves and trays are made of White Maple. The interior is prepared with a beautiful satin finish, which will not scratch easily, and it can be kept clean with little or no trouble.

We consider it far superior to the white enamel finish we formerly used, which required constant attention in order to keep it looking clean.

All trays are removable, which is an advantage in keeping them clean, and a tray of instruments placed on a bracket table often makes it much more convenient for the operator.

Two trays are provided for long-handled instruments. They contain 36 grooves each.

The shelf below these trays is left blank for the larger instruments, such as Clamp Forcep, Dam Punch, Shears, Pliers, etc.

Next below is a tray, containing 14 depressions for the different discs, and the bottom shelf contains a tray with 6 compartments for strips, besides having a compartment at one end for other supplies.

At the top of the right-hand swinging section the burr block will be found. This block may be pulled out nearly its full width, thus making the burrs more convenient to get at, and still not being in the way of anything else.

Two other trays contain several grooves or depressions for holding small instruments, such as nerve broaches, clamps, etc. The bottoms are concave in form to enable one to get out these instruments easily.

One other tray provides a place for gold, or can be used conveniently for other purposes.

The left-hand swinging section contains four shelves. There is a moulding on the front of each to prevent articles falling off.

Back of this section is a medicine closet, closed off from the rest of the cabinet by a rolling door. It is nicely arranged for small and large bottles, and also contains a drawer.

The forceps, which are the only instruments offensive to patients, are kept out of sight in the long drawer, just below the swinging sections.

In the centre section of the cabinet is a slide, containing a removable ground glass cement mixing slab, nine drawers and a secretary desk.

The two top drawers are fitted with our adjustable partitions, which enable one to make compartments of any size or shape desired.

The others are plain drawers. All have Birds-eye Maple bottoms and are finished inside.

The secretary can be used to good advantage for the appointment-book, writing material, etc., and the lid forms a convenient table.

In the base of the cabinet are two large closets, suitable for soiled and clean linen.

The cabinet is finished in a thoroughly first-class manner, both interior and exterior.

DIMENSIONS.

Height over all, 72 ins.

Width, 26½ ins.

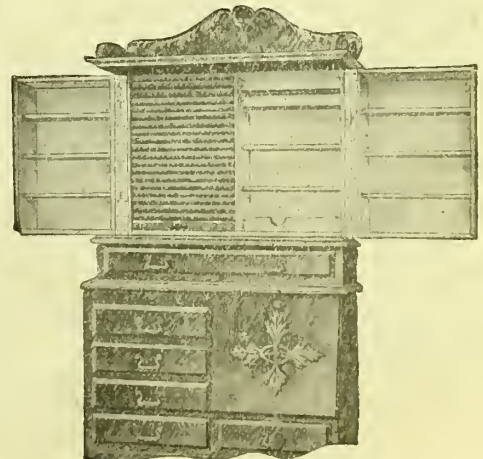
Depth, 17 ins.

PRICES.

Quarter-sawed Oak, any finish,

Golden, Weathered or Flemish £17 17 0

Mahogany 19 10 0

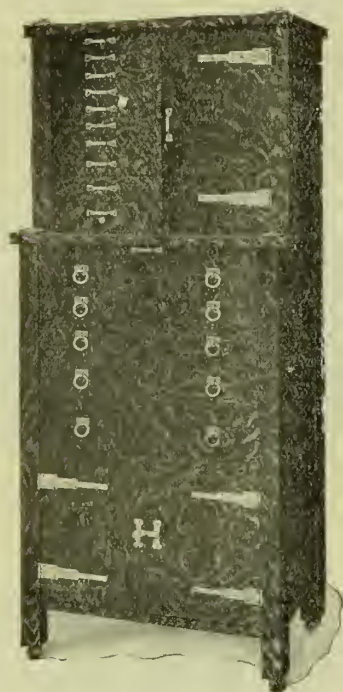


Upper Part of Cabinet No. 57, showing Roll Curtain over Medicine Closet.

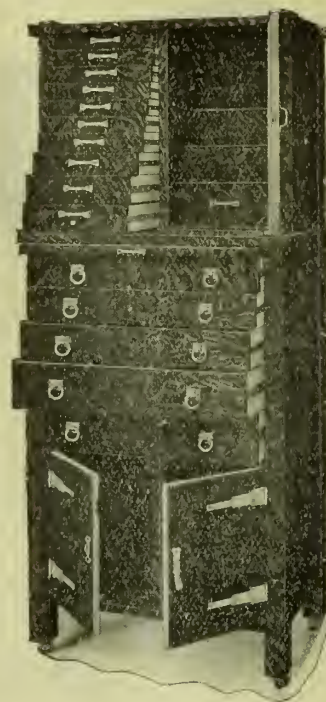


Cabinet No. 57 Closed.

CABINET No. 59.



Cabinet No. 59, Closed.



Cabinet No. 59, Open.

We present here a Dental Cabinet in the very popular Mission style, with Mission hardware and genuine Mission finish. It looks plain at first glance, but its beauty grows upon one.

It has a solid, substantial appearance, is easily kept clean, and contains every convenience of a modern Dental Cabinet.

At the right are ten small drawers, four of which are fitted with grooved bottoms for holding long-handled instruments.

One has a sliding block, with compartments for small instruments;

Another is divided in three parts for dam punch, clamp forceps, pliers, etc.;

One contains six compartments for strips;

One with 16 pockets for discs;

One draw contains the burr block.

This is so arranged that the points of the burrs can be raised above the drawer front, and can be placed in any drawer, to suit the convenience of the operator. The bottom drawer is a plain one.

To the right is a large medicine closet, with shelves for different sizes of bottles. Below the closet is a drawer, and the burr block can be placed in it, if desired. If placed here it can be left open while the operator is at work, without interfering with the drawers below it.

Just under the instrument drawers and medicine closet is a large slide, and beneath this is a drawer for forceps, lined with cabinet cloth.

The two next below are fitted with adjustable partitions, enabling one to make compartments of any size or shape desired.

The other three large drawers are plain ones, suitable for storing the larger supplies.

At the base are two closets for soiled and clean linen.

The locking device on this cabinet is a very good one. By closing the lower instrument drawer you lock every drawer in the cabinet, except the one under the medicine closet.

The hardware is of special design, old brass finish, and very attractive.

First-class quarter-sawed oak is used throughout, and the finish is the Mission style of weathered and fumed oak.

The back is finished the same as the front and sides, and the interiors of all drawers are finished. The cabinet has a secret drawer.

Mission furniture isn't a fad. It is growing in popularity each year, and it is no doubt true that the finish used on these goods will stand harder usage than any finish that can be put on woodwork. An office fitted entirely with Mission furniture is one that will please you better as time goes by.

DIMENSIONS.

Height, 61 inches; Width, 26 inches; Depth, 16½ inches.

Shipping Weight, 300 lbs.

PRICE.

Cabinet No. 59, Quarter-sawed Oak, Fumed or Weathered £11 11 0

CABINET No. 58, MEDICINE TOP.



Cabinet No. 58, Medicine Top, Open.



Cabinet No. 58, Medicine Top, Closed.

Our No. 58 was the first low Cabinet to be placed on the market. It seemed to take at once with the public, as the demand for it has increased each year, and at the present time it is, without doubt, the most popular Cabinet offered for sale.

It is a plain Cabinet that may easily be kept clean, and still it is a handsome piece of furniture.

Its large working surface will be found a great convenience, and is covered by a plate glass top, which prevents it being marred by usage.

The medicine top is covered by two roll curtains, with two compartments in each section. One compartment in each section is fitted for adjustable shelves. This gives a very large space for medicines, and in case one of the compartments should be found enough, the other can be used nicely for other supplies.

Above the medicine closet is a long shelf, running the entire width of the Cabinet.

There are twenty-one instrument drawers, and a slide covered by a roll front, which is fitted with a good lock. These instrument drawers are partitioned as follows:

Four with steel porcelain lined aseptic trays;

Four with grooved bottoms, for long-handled instruments;

One with sliding tray, with several pockets having round bottoms for small instruments, such as polishing points, broaches, separating files, clamps, etc.;

One for dam punch, clamp forceps, pliers, shears, etc.;

One containing forty-two pockets for discs, polishing wheels, etc.;

One for strips, divided into six compartments to accommodate the different grades and grits;

One for folding burr blocks;

Four with adjustable partitions, to divide as best suits your convenience; and

Four without partitions of any kind.

The slide is fitted with a removable ground glass cement mixing slab.

Below the roll curtain are five large drawers for clean linen and larger supplies, and there are two large closets in the base.

It also contains a secret drawer.

The interiors of all drawers and closets are finished, and the drawer bottoms are made of Birds-eye Maple.

The back is finished, and a good quality of hardware is used.

DIMENSIONS.

Height over all, 60 ins.; Height to working surface, 45 ins.;

Length, 45½ ins.; Depth, 18 ins.

Shipping Weight, 500 lbs.

PRICES.

Cabinet No. 58, Quarter-sawed Oak, any finish, dull or polished, Antwerp, Flemish, Golden or Weathered, including Plate Glass Top £24 0 0

Cabinet No. 58, Mahogany, any finish, dull or polished, including Plate Glass Top... .. 27 0 0

Golden Oak kept in Stock.

SECTIONAL CABINETS.

Sectional Cabinets have a distinct advantage over the old style in that they grow with your business.

In purchasing a cabinet it is only necessary to buy for your present needs, as the requirements of the future may be added as they are made necessary.

The Units may expand horizontally as well as vertically.

With dental dealers, perhaps these Units will be especially appreciated as Tooth Cabinets, but can be used to equal advantage for other articles.

We list here six different Units, two Bases and one Cap Piece, but can furnish any special Unit required, and will be pleased to quote prices on application.

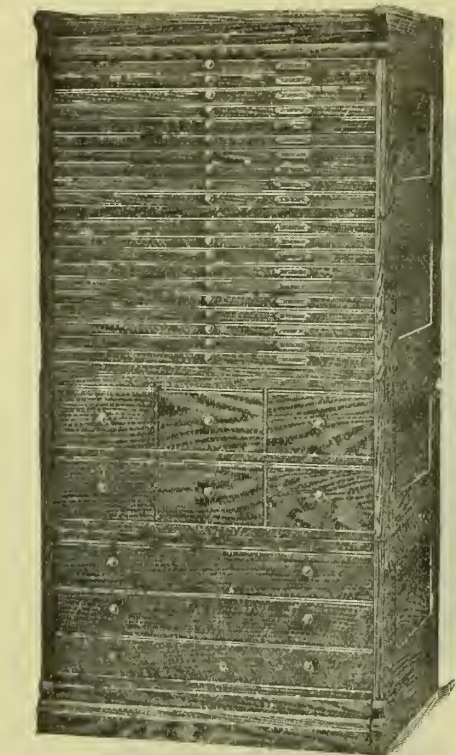
In ordering, care should be taken to specify Cap and Base pieces, if wanted, as they are not included with order for Units unless especially ordered.

Made of Oak with either Antique, Weathered or Golden Finish.

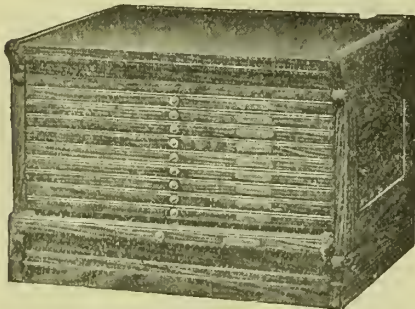
DESCRIPTION.

Price.
s. d.

STYLE M UNIT has 10 cases for teeth. The inside dimensions of cases are 21 $\frac{1}{2}$ ins. wide, 16ins. long, and 9-16in. deep. Dimensions of Unit are 24 15-16ins. wide, 20ins. deep, and 10 $\frac{1}{2}$ ins. high. Each case is divided by a centre partition, and contains space for 8 boxes of teeth, laid side by side. We will partition these cases differently when requested to do so, without extra charge	50 0
STYLE N UNIT has three drawers running full width of section. The inside dimensions are 22ins. wide, 16ins. long, and 2 $\frac{3}{4}$ ins. deep. Dimensions of Unit are 24 15-16ins. wide, 20ins. deep, and 10 $\frac{1}{2}$ ins. high. See illustration	42 0
STYLE O UNIT has six drawers. Inside dimensions of Unit are 6 $\frac{1}{2}$ ins. wide, 16 $\frac{1}{2}$ ins. long, and 3 $\frac{1}{2}$ ins. deep. Dimensions of Unit are 24 15-16ins. wide, 20ins. deep, and 10 $\frac{1}{2}$ ins. high. See illustration	47 6
STYLE P UNIT has eight drawers. Inside dimensions are 4 $\frac{1}{2}$ ins. wide, 16 $\frac{1}{2}$ ins. long, and 3 $\frac{1}{2}$ ins. deep. Dimensions of Unit are 24 15-16ins. wide, 20ins. deep, and 10 $\frac{1}{2}$ ins. high	50 0
STYLE Q UNIT has seven blank cases for electrotypes. Dimensions of Unit are 24 15-16ins. wide, 20ins. deep and 10 $\frac{1}{2}$ ins. high	42 0
STYLE R UNIT. Dimensions of Unit are 24 15-16ins. wide, 20ins. deep, and 10 $\frac{1}{2}$ ins. high	47 6
CAP PIECE S. Dimensions 24 15-16ins. wide, 3 $\frac{1}{2}$ ins. high, and 20ins. deep. See illustration	10 6
BASE T. Dimensions 24 15-16ins. wide, 3ins. high, and 20ins. deep. See illustration	6 6
CUPBOARD BASE W. Dimensions 24 15-16ins. wide, 24ins. high, and 20ins. deep	50 0

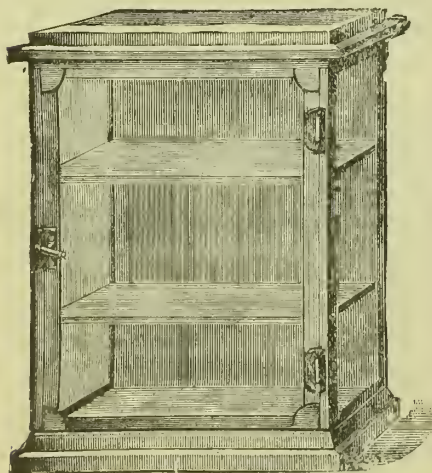


Showing Base Unit, 3 Drawer Unit, 6 Drawer Unit, 2-10 Drawer Tooth Units and Top.



Tooth Unit with Base and Top.

ASEPTIC SURGICAL CABINET.



White Enamelled Metal, Nickel Plated Fittings.
Plate Glass Door and Sides, and Plate Glass Shelves with Polished Edges.

Any of these Cabinets fitted with Nickel Plated Lock and Key, 4/6 extra.

Metal Clips for suspending Forceps, Scissors, &c., 18/- doz.

No. 1.	Size 18 by 15 by 8, with 2 shelves	...	...	32/-
" 2.	" 24 by 18 by 11 " 2 "	...	...	50/-
" 3.	" 24 by 18 by 11 " 3 "	...	...	53/-
" 4.	" 24 by 18 by 11 " 2 "	all glass	...	60/-
" 5.	" 24 by 18 by 11 " 2 "	"	...	68/-

DENTISTS' TOOTH CABINET.



Every dentist should have a place to keep his stock of teeth where they may be referred to readily. This Cabinet provides a place.

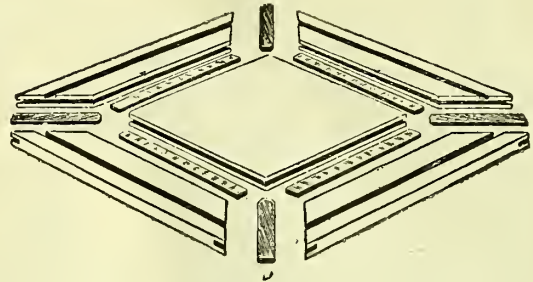
It contains twelve drawers, each of which is made to hold two boxes of teeth. The drawers are 11 $\frac{1}{2}$ ins. by 8 ins. by 1 $\frac{1}{8}$ in. inside, divided by a centre partition. It is very nicely finished.

SIZE: Height, 14 ins.; Width, 13 $\frac{3}{4}$ ins.; Depth, 11 ins.

PRICE:
Quarter-sawed Oak 37/6

ALLAN, HOLMES, & TWENTIETH CENTURY TABLES.

We make a speciality of Bracket Tables. In their construction we employ our most skilled mechanics, and have aimed to build a table that will not be affected by time or atmospheric changes. We use thoroughly seasoned timber of the best quality.



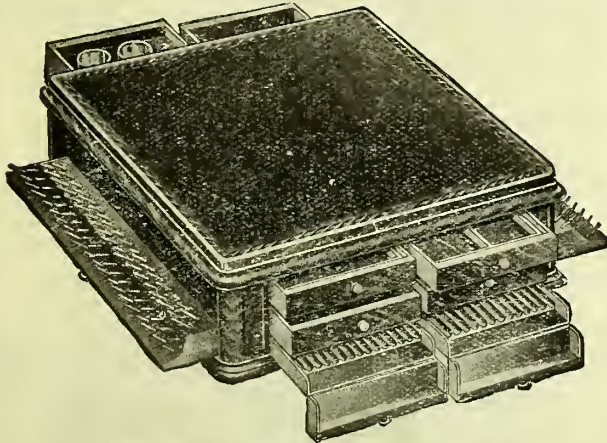
ALLAN TABLE.

The above diagram shows how the bottoms and tops are made. The centre piece is Butternut, which will not swell and open the joints. A like precaution is taken with every piece of material that enters into their construction. We fully guarantee our tables against checking and warping.

Oak, Walnut or Mahogany, 25/- each.

Ditto, with Mirror Sides to order, 30/- each.

TWENTIETH CENTURY BRACKET TABLE.



TWENTIETH CENTURY BRACKET TABLE—Open.

TWENTIETH CENTURY BRACKET TABLE—Closed.

This Bracket Table, when closed, looks very similar to the Allan Table, but when open it will be seen that it has all the advantages of the Holmes, as well as several new features of its own.

The side panels are made to drop, and provide a convenient place for burrs and drills.

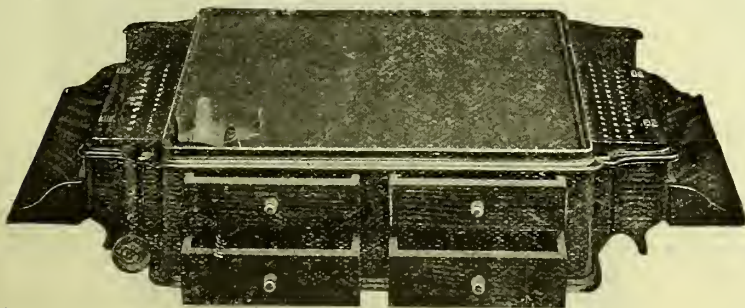
One side of the table contains six drawers. The four top ones are the same as those in the well-known Allan Table, while the two bottom ones are provided with grooved bottoms for pluggers, etc.

The fronts of these two drawers are hinged so that they drop when drawers are pulled out, leaving the points of the instruments in plain sight, and easy to take out or replace.

The opposite side of the table has three drawers. The top one contains a cotton-holder, which is provided with a spring to force the cotton through a hole in the top, and also provides a place for two glass cups, suitable for holding cotton or gold pellets; or one can be used as a receptacle for soiled cotton. These two cups and cotton-holder are at the extreme front of drawer, so as to necessitate its being open but about two inches in order to use it to advantage. Back of this is a suitable place for other articles. The remaining two drawers are plain, and can be used to suit the convenience of the operator.

Oak or Walnut £2 12 6

Mahogany £3 0 0



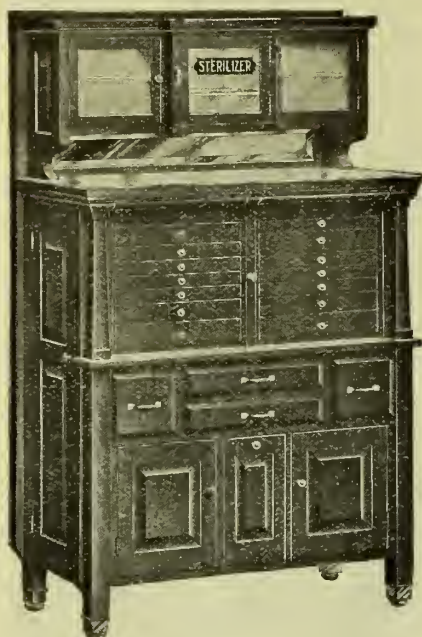
HOLMES TABLE.

Best Manufacture HOLMES TABLE.

In Oak or Walnut 90/- each.

„ Mahogany 100/- „

A cheaper make is stocked at 70/- each.

No. 90 CABINET.

The outside design of this Cabinet is similar to the No. 91, but the working parts are entirely different.

Our No. 58 was the first and most popular of all low cabinets, and this one is a good deal like it, but is somewhat smaller.

The upper partition contains a formaldehyde sterilizer and two good medicine closets.

The sterilizer is metal lined with two perforated metal trays for instruments, which are removable, and the door is plainly marked. The door shuts against a rubber moulding to prevent the fumes from escaping.

The medicine closets are metal lined and each is fitted with a glass shelf.

The working surface is large and fitted with a plate glass top.

The 15 drawers below working surface provide ample room for instruments and are suitably partitioned as follows:

Four with grooved blocks for long handled instruments. Two of these form the moulding of working surface, and are in the most convenient position possible.

One contains two removable burr blocks.

One with 23 round bottom compartments for discs, and a tray for strips with six compartments.

Two with adjustable partitions in which you can make any sized compartment necessary.

One with 17 round bottom compartments for small instruments.

Two others are divided for sundry instruments and supplies.

Four are plain, that is, without partitions.

On right hand side at top is a slide with raised front edge to prevent instruments from falling off, and fitted with a cement mixing slab.

The instrument drawers, except two in working surface are all locked by one turn of a key fitted to the centre partition.

There are four large drawers for more bulky supplies as well as two closets, and a removable soiled linen bin which is metal lined.

The two doors on the ends cover closets 1½ ins. deep which can be used for hanging forceps, office coats, etc., or when a switchboard top is ordered, provides a place for the cords connecting instruments to board.

This keeps them entirely out of sight and free from dust when not in use.

The Cabinet is fitted with a good grade of dull brass hardware, and can be supplied with cut glass knobs at a small additional expense.

The interior of all drawers are finished and not simply varnished and left in the gloss that will scratch easily. Ours is a satin finish that will stand the very hard usage to which they must be put. Finishing the interior of our Cabinets costs as much as the finish of the exterior. Here is a place where all other makers of Dental Cabinets seem to economise.

This is a high grade article throughout, built along simple lines as becomes Business Equipment.

DIMENSIONS:

Height over all, 63-ins. Height to working surface, 46½-ins.

Depth, 18-ins. Width, 41-ins.

PRICES:

Quarter-sawed Oak, any finish	...	...	...	...	£23 0 0
Mahogany	...	...	...	...	£26 0 0
Back, finished same as front and sides, extra	...	...	...	...	£1 1 0

No. 91 CABINET

[PATENT APPLIED FOR]:

Fittings for Cabinet and Number of each furnished.

- No. 1. 1 Strip tray.
- No. 2. 8 Long handled instrument trays.
- No. 3. 2 Burr Blocks.
- No. 4. 8 each with 6 round bottom pockets, 4-ins. wide inside.
- No. 5. 3 each with six round bottom pockets, 8-ins. wide inside.
- No. 6. 7 each with six round bottom pockets, 2½-ins. wide inside.
- No. 7. 2 Forcep Pans.
- No. 8. 1 Long Handled Instrument Tray.

(Continued on page 35).



No. 91 see next page.

No. 91 CABINET

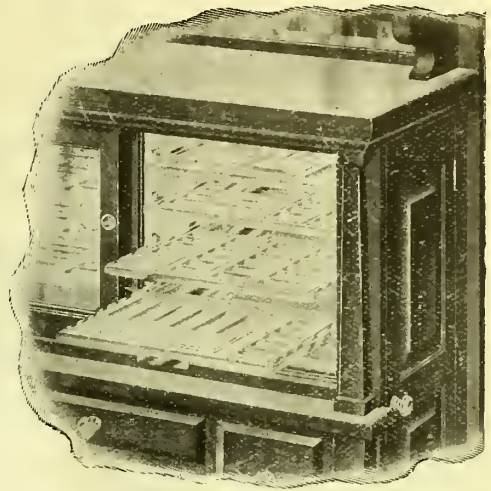
(Continued).

DIMENSIONS :

Height ... 64-ins.
 Depth ... 17 $\frac{3}{4}$,,
 Width ... 40 $\frac{1}{2}$,,
 Height to working surface,
 47-ins.

PRICES :

Golden Oak ... £31
 Mahogany ... £34



No Cabinet that we have brought out has excited more favourable comment than this.

There are a very large number of dentists who object to an all white office for several reasons.

One is that on many patients the effect is not favorable. It reminds them too much of an operating room. No doubt many people do stay away from dental offices as long as possible, on account of the fear of pain, and an office furnished on the plan of a surgeon's operating room doesn't tend to allay that fear, to say the least.

Enamel chips and cracks readily, and where it cracks the metal underneath rusts, making the crack very noticeable. It is bound to discolour in time and it is very difficult to repair it if injured in any way.

Taking these objections into consideration, our desire was to introduce a piece of furniture that would convince any patient at a glance of the absolute cleanliness of the dental outfit, and still overcome the objections to an all white office.

We therefore put the interior of the Cabinet in white, and allowed the patient to see it through clear glass sliding doors instead of putting the white on the outside, where it is an endless nuisance and can have no bearing upon the cleanliness of the outfit inside.

The interior arrangement is very different than any dental cabinet, but could not be more convenient for the operator.

The metal trays rest on sliding frames which when drawn out, brings the contents before you, and every one of these trays are renewable at a very small expense.

The top frame on the right hand side is fitted for long handled instruments. These are held in opal glass aseptic trays, which are removable for cleaning and sterilizing.

Another frame is fitted with trays for discs, containing 24 pockets.

A convenient strip tray is fitted to one of the frames with metal doors that open so as to allow it to be filled easily. The frame also contains a tray with five round bottom compartments.

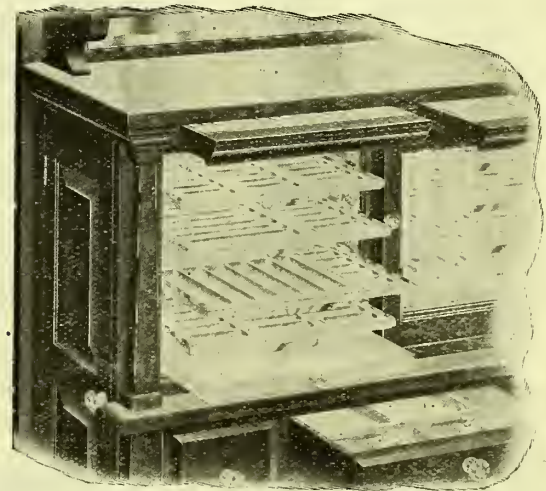
In addition to the three mentioned above there are five other frames containing metal trays, some with 2-in., some 4-in., and some 8-in. pockets, and this assortment will provide a suitable place for every instrument used in the dental office.

All these trays are made of aluminium with the enamel baked on, and all are instantly removable for cleaning.

In the bottom of the compartments containing the instruments are two large pans, which are provided with knobs and form convenient receptacles for forceps or other instruments that one would prefer to keep out of the patient's sight.

All the drawers and closets are metal lined.

In addition to the long handled instrument trays on the sliding frames, there are two drawers fitted with six opal glass trays, each of which will easily accommodate a dozen long handled instruments. The fronts of these drawers form the moulding just underneath the working surface, and they could



Sections showing tray arrangement—more convenient than drawers. not be placed in a more convenient location.

The four large drawers under the instrument compartment are metal lined and are convenient for linen and larger supplies.

The lower closets are also metal lined and between them is a removable metal lined bin for soiled linen.

The top of the Cabinet does not take up any of the room of the working surface, and besides two metal lined medicine closets it contains a formaldehyde sterilizer. This sterilizer is metal lined and fitted with removable trays, and its door is plainly marked so as to attract the attention of the patient.

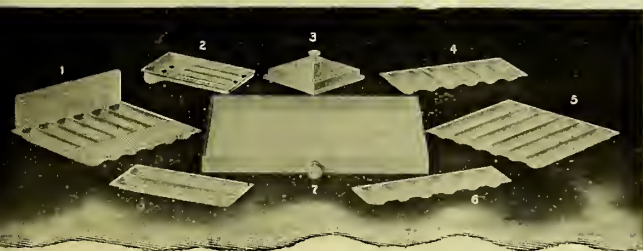
The large working surface is covered with white vitrolite glass.

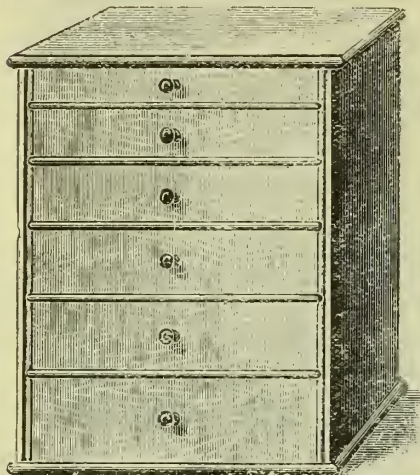
At each end of the Cabinet you will find a long closet extending from floor to working surface. These are 1 $\frac{1}{2}$ -ins. deep and can be fitted with hooks for forceps or office coats. When a switch-board top is ordered with the Cabinet, these closets provide a place for cords connecting instruments, and which are entirely concealed when not in use.

As you look at the Cabinet from the front you see the three white closets in the top, the white working surface and the large white instrument compartments.

This white interior, with the mahogany or oak exterior, (mahogany especially) harmonises beautifully, and while it shows your patient at a glance that your outfit is scrupulously clean, it removes the operating room effect from your office.

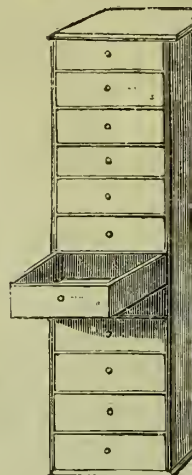
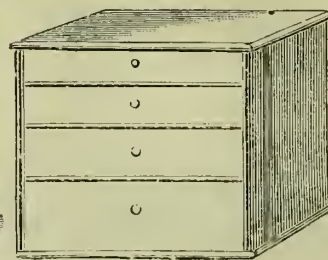
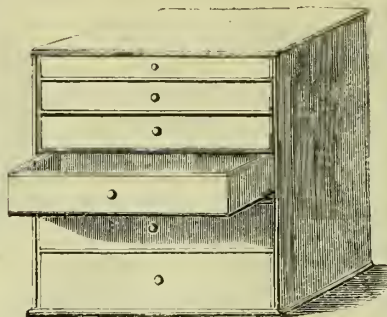
The Cabinet is fitted with high grade glass knobs, and glass castors, and it has a finished back. The legs are brass capped.





H.P.F.

A large and varied assortment always in stock. Any style of Drawer made to order in White Pine or stained Mahogany or Walnut.

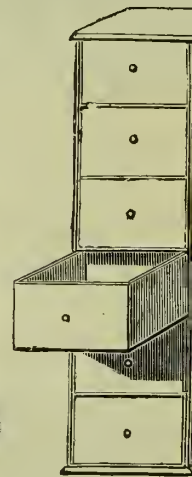
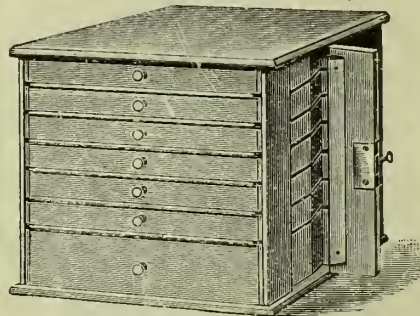
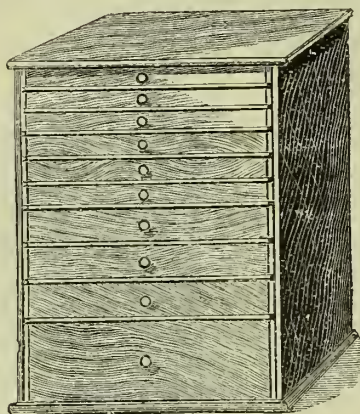
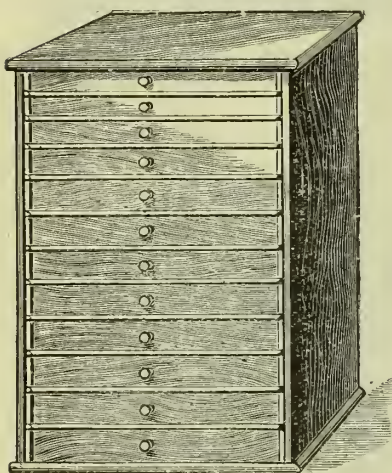


	Height.	Width.	Depth	
6 Drawers,	18 $\frac{1}{2}$ in.	11in.	11in.	in Pine, 12/6
8 "	24in.	11in.	11in.	" 15/6
19 "	36in.	11in.	11in.	" 23/-
	Stained,	15/6	19/-	27/6.

6 Drawers, Pine,
14in. high, 12in. wide, 11in. deep. 8/6
Stained Mahogany, 3/- extra.

4 Drawers, Pine,
12in. high, 12 $\frac{1}{2}$ in. wide, 11 $\frac{1}{2}$ in. deep. 7/6.
Stained Mahogany, 2/6 extra.

Pillar Chest,
12 Drawers for Tools,
29 $\frac{1}{2}$ in. high, 8in. wide, 8 $\frac{1}{2}$ in.
13/6
Ditto, Stained, 16/6
6 Drawers, 16 $\frac{1}{2}$ x 8 x 8 $\frac{1}{2}$,
Ditto, Stained, 9/3

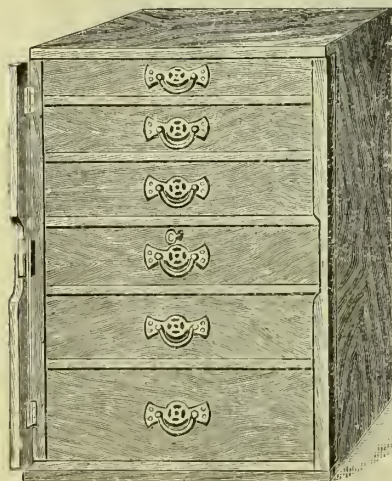


12 Drawers in Pine, for Tools or Teeth.
18 $\frac{1}{2}$ in. high, 12 $\frac{1}{2}$ in. wide, 11in. deep, 14/6
Ditto, Stained, 17/6
12 Drawers, 24 x 12 $\frac{1}{2}$ x 11, 17/- Ditto, Stained, 20/6
10 Drawers, 15 $\frac{1}{2}$ x 12 $\frac{1}{2}$ x 11 10/6 Ditto, Stained, 12/6

10 Drawers, 15 $\frac{1}{2}$ in. high, 13in. wide, 11in. deep,
10/6
Stained, 13/6

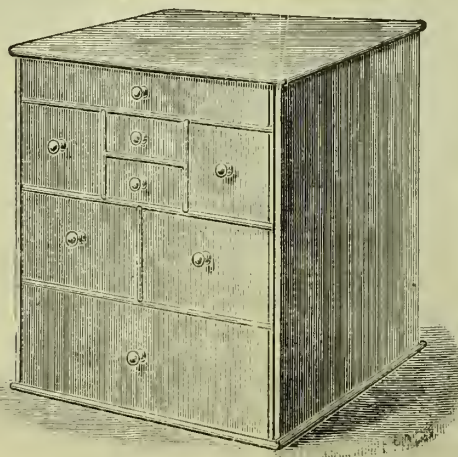
Chests of Drawers, with side locking arrangement.
Stained Pine, 7, 8, 10, 12, drawers, 14/6, 15/6, 17/6,
19/6 ea. Mahogany, 7, 10 drawers, 24/-, 32/6 ea.
Other sizes can also be supplied in either kind to order.

Pillar Chest,
6 Drawers, 29 $\frac{1}{2}$ x 8 x 8 $\frac{1}{2}$,
Ditto, Stained, 15/6
8 Drawers, 16 $\frac{1}{2}$ x 8 x 8 $\frac{1}{2}$,
Ditto, Stained, 8/3



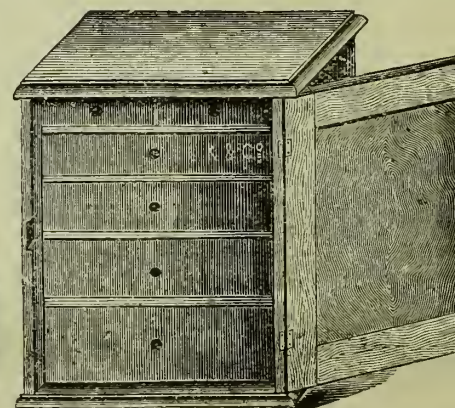
No. 945a.

Superior Tool Cabinet, solid walnut, polished, 6 plain drawers, graduated, brass drop handles, unique locking arrangement, with side slips.
17 x 11 x 11. 24/- 24 x 11 x 11, 8 drawers, 33/-

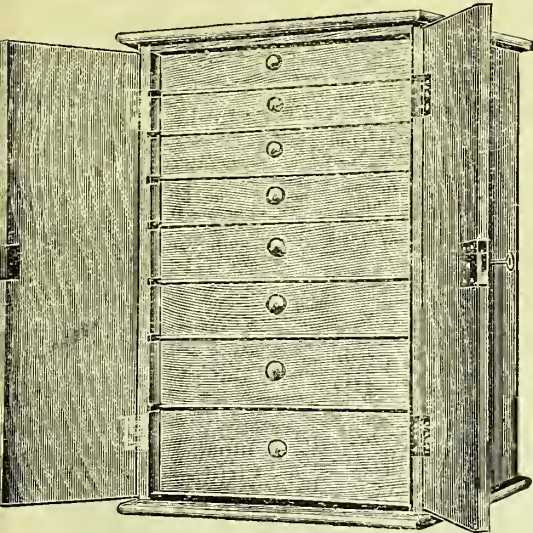


No. 510 e.

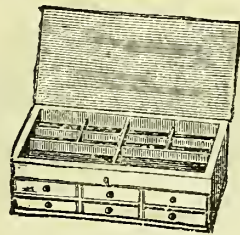
8 drawers, plain, 13 $\frac{1}{2}$ x 11 $\frac{1}{2}$ x 11in., 12/3
12 drawers, 17 by 11 $\frac{1}{2}$ by 11 16/-



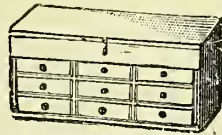
For tools, Mahogany or Walnut, 8 drawers and 10
17in. high, 13in. wide, 12 $\frac{1}{2}$ in. deep, 20/-
6 drawers, 14 $\frac{1}{2}$ in. x 13in. x 12 $\frac{1}{2}$ in., 16/-



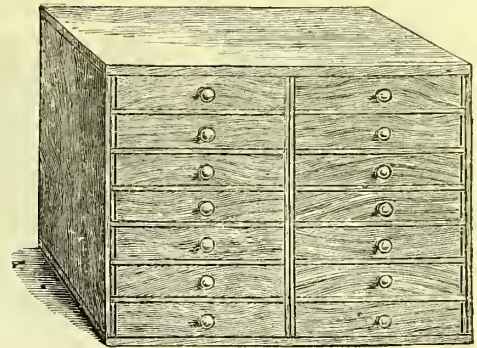
8 drawers (for tools), $27\frac{1}{2} \times 12\frac{1}{2} \times 10\frac{1}{2}$... 20/-
 6 drawers, with double door, lock and key, $19 \times 12\frac{1}{2} \times 10\frac{1}{2}$... 15/9
 0 drawers, $36\frac{1}{2} \times 12\frac{1}{2} \times 10\frac{1}{2}$... 22/6
 Ditto stained ... each extra 3/- 3/6 4/-



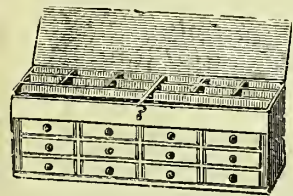
6 drawers,
 $7\frac{1}{2}$ in. long, 4 in. deep, $2\frac{1}{2}$ in. high
 1/6



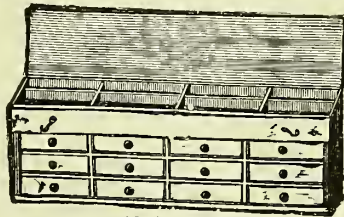
9 drawers,
 $3\frac{1}{2}$ in. high, $7\frac{1}{2}$ in. long, 4 in. deep,
 1/9



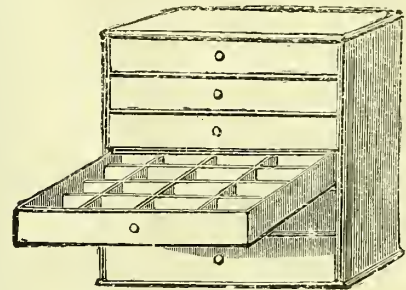
Chest of drawers, in Pine,
 13 in. high, $15\frac{1}{2}$ in. wide, $10\frac{1}{2}$ in. deep, 12/6
 Ditto, Stained Mahogany, 15/6



12 drawers,
 $4\frac{1}{2}$ in. high, 10 in. long, 4 in. deep,
 2/6



12 drawers,
 $4\frac{1}{2}$ in. high, $13\frac{1}{2}$ in. long, $4\frac{1}{2}$ in. deep, Pine, 3/6
 Ditto ditto Hard wood, 4/-
 Ditto ditto Stained Mahogany, 6/-
 Ditto ditto Solid Mahogany, 7/6



6 drawers,
 $13 \times 11\frac{1}{2} \times 11$... 11/6

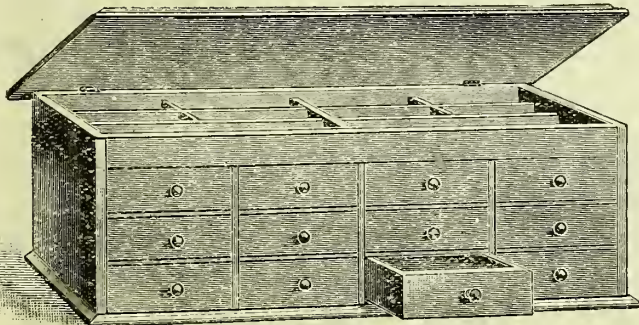
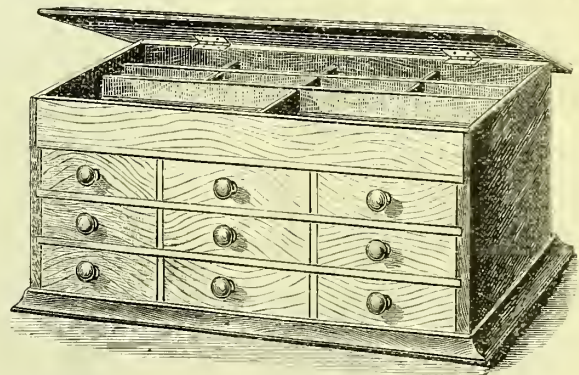
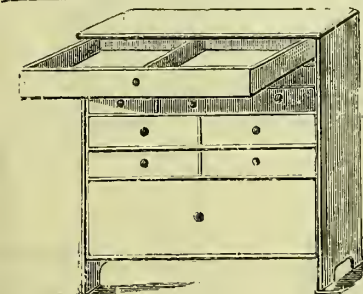


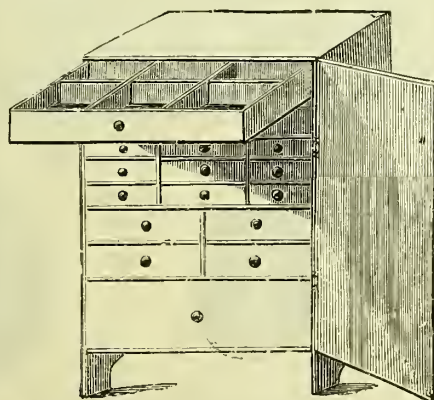
Fig. 12.
 Superior White Wood Nest of Drawers ... 4/-
 Ditto Stained and Polished Mahogany ... 6/-
 Ditto Solid Mahogany ... 7/6



Solid Oak, 4/6



0 drawers, $14 \times 12\frac{1}{2} \times 9\frac{1}{2}$... 5/6
 2 " $16 \times 12\frac{1}{2} \times 9\frac{1}{2}$... 6/6
 4 " $17\frac{1}{2} \times 12\frac{1}{2} \times 9\frac{1}{2}$... 7/6
 6 " $19\frac{1}{2} \times 12\frac{1}{2} \times 9\frac{1}{2}$... 8/-
 8 " $20\frac{1}{2} \times 12\frac{1}{2} \times 9\frac{1}{2}$... 8/6
 20 " ... 10/6
 22 " ...
 24 "



16 drawers, for tools, with door, white wood,
 $19\frac{1}{2}$ in. high, $12\frac{1}{2}$ wide, $9\frac{1}{2}$ deep, ... 10/6



Fig. 13.
 Solid Mahogany ... 12/6



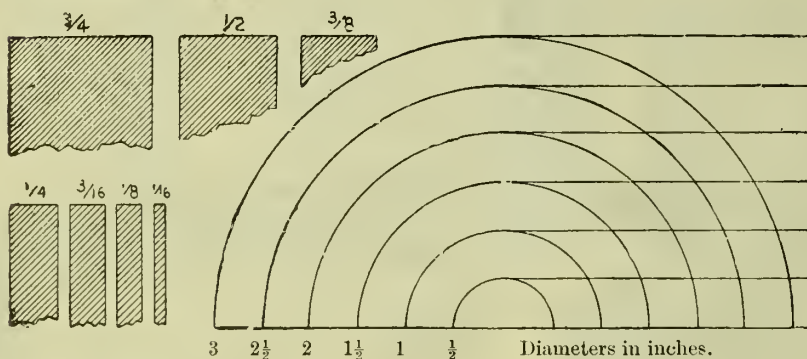
CARBORUNDUM

WHEELS

FOR LATHES AND ENGINES.

FINEST QUALITY. Made in 5 Grits, A coarse to E fine.

SQUARE EDGE.					ROUND EDGE.				
No.	Diameter.	Inches Thick.	Centre Hole.	Price.	No.	Diameter.	Inches Thick.	Centre Hole.	Price.
1	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{3}{32}$	6d.	30	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{3}{32}$	7d.
2	$\frac{1}{4}$	$\frac{1}{8}$	$\frac{3}{32}$	6d.	31	$\frac{1}{4}$	$\frac{1}{8}$	$\frac{3}{32}$	7d.
3	$\frac{3}{8}$	$\frac{1}{8}$	$\frac{3}{32}$	7d.	32	$\frac{3}{8}$	$\frac{1}{8}$	$\frac{3}{32}$	9d.
4	1	$\frac{1}{8}$	$\frac{3}{32}$	9d.	33	1	$\frac{1}{8}$	$\frac{3}{32}$	10d.
5	1	$\frac{1}{8}$	$\frac{3}{32}$	9d.	34	1	$\frac{1}{8}$	$\frac{3}{32}$	10d.
6	1	$\frac{1}{8}$	$\frac{3}{32}$	9d.	35	1	$\frac{1}{8}$	$\frac{3}{32}$	11d.
7	$1\frac{1}{8}$	$\frac{1}{8}$	$\frac{3}{32}$	10d.	36	$1\frac{1}{8}$	$\frac{1}{8}$	$\frac{3}{32}$	1/1
8	$1\frac{1}{4}$	$\frac{1}{8}$	$\frac{3}{32}$	11d.	37	$1\frac{1}{4}$	$\frac{1}{8}$	$\frac{3}{32}$	1/1
9	$1\frac{1}{2}$	$\frac{1}{8}$	$\frac{3}{32}$	1/1	38	$1\frac{1}{2}$	$\frac{1}{8}$	$\frac{3}{32}$	1/2
10	$1\frac{3}{4}$	$\frac{1}{8}$	$\frac{3}{32}$	1/1	39	2	$\frac{1}{8}$	$\frac{3}{32}$	1/2
11	2	$\frac{1}{8}$	$\frac{3}{32}$	1/1	40	2	$\frac{1}{8}$	$\frac{3}{32}$	1/3
12	2	$\frac{1}{8}$	$\frac{3}{32}$	1/2	41	2	$\frac{1}{8}$	$\frac{3}{32}$	1/6
13	2	$\frac{1}{8}$	$\frac{3}{32}$	1/3	42	$2\frac{1}{8}$	$\frac{1}{8}$	$\frac{3}{32}$	1/3
14	2	$\frac{1}{8}$	$\frac{3}{32}$	1/6	43	$2\frac{1}{4}$	$\frac{1}{8}$	$\frac{3}{32}$	1/3
15	$2\frac{1}{8}$	$\frac{1}{8}$	$\frac{3}{32}$	1/2	44	$2\frac{1}{2}$	$\frac{1}{8}$	$\frac{3}{32}$	1/7
16	$2\frac{1}{4}$	$\frac{1}{8}$	$\frac{3}{32}$	1/2	45	3	$\frac{1}{8}$	$\frac{3}{32}$	1/7
17	$2\frac{1}{2}$	$\frac{1}{8}$	$\frac{3}{32}$	1/6	46	3	$\frac{1}{8}$	$\frac{3}{32}$	1/7
18	$2\frac{3}{4}$	$\frac{1}{8}$	$\frac{3}{32}$	1/8	47	3	$\frac{1}{8}$	$\frac{3}{32}$	1/10
19	3	$\frac{1}{8}$	$\frac{3}{32}$	1/6	Thin edge Thick centre Ditto Ditto		Ditto Ditto		1/1
20	3	$\frac{1}{8}$	$\frac{3}{32}$	1/6					1/1
21	3	$\frac{1}{8}$	$\frac{3}{32}$	1/8					1/8
22	3	$\frac{1}{8}$	$\frac{3}{32}$	2/-					
23	3	$\frac{1}{8}$	$\frac{3}{32}$	2/6					

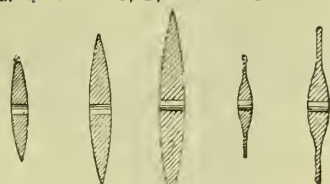


Nos. 19 to 23 and 45 to 47.
Nos. 15 to 18 and 42 to 44.
Nos. 11 to 14 and 39 to 41.
Nos. 7 to 10 and 36 to 38.
Nos. 4 to 6 and 33 to 35.
Nos. 1 to 3 and 50 to 52.

Nos 136, 137, 138. 4d. each.

DISCS.

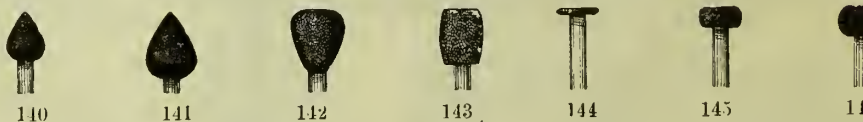
Made in C, D, E and F Grits.



130 131 132 133 134
Price, 4d. each.

POINTS.

Made in C, D, E and F Grits (Unmounted).



140—3, price 4d. each.

144—6, price 3d. each.

STUMP WHEELS.

Made in C, D, E and F Grits.

SQUARE EDGE.

Number	Diam.	Thick.
100	$\frac{1}{8}$	$\frac{1}{8}$
101	$\frac{1}{4}$	$\frac{1}{8}$
102	$\frac{3}{8}$	$\frac{1}{8}$
103	1	$\frac{1}{8}$
104	$1\frac{1}{8}$	$\frac{1}{8}$
105	$1\frac{1}{4}$	$\frac{1}{8}$
106	$1\frac{1}{2}$	$\frac{1}{8}$
107	$1\frac{3}{4}$	$\frac{1}{8}$
108	2	$\frac{1}{8}$
109	$2\frac{1}{8}$	$\frac{1}{8}$
110	$2\frac{1}{4}$	$\frac{1}{8}$
111	$2\frac{1}{2}$	$\frac{1}{8}$
112	3	$\frac{1}{8}$



Price, 4d. each.

SQUARE EDGE.

113	1	$\frac{1}{8}$
114	1	$\frac{1}{8}$
115	1	$\frac{1}{8}$
ROUND EDGE.		
120	$\frac{1}{8}$	$\frac{1}{8}$
121	$\frac{1}{4}$	$\frac{1}{8}$
122	$\frac{3}{8}$	$\frac{1}{8}$
123	1	$\frac{1}{8}$
124	1	$\frac{1}{8}$
125	1	$\frac{1}{8}$

**MILLER'S MOUNTED POINTS FOR
No. 7 HAND PIECE**

225 226 227 242 243 244 228 228½ 229 230 240 240½ 234 235 236 270

233 238 239 245 246 246½ 271 247 247½ 272 248 248½ 273 249 250 250½

251 252 253 254 232 232½ 231 268 269 231½ 241 237 255 256 257

CORUNDUM FILES.

[illegible]

CARBORUNDUM
FILES.

CORUNDUM WHEELS,
ETC.

Wheels, 1 in.	2/6, 3/- doz.	
„ 1 1/4 in. ...	3/6	4d. each
„ 1 1/2 in. ...	4/6	5d. „
„ 2 in. ...	5/-	6d. „
„ 2 1/2 in. ...	8/6	9d. „
„ 3 in., Thin	8/6	9d „
„ 3 in., Med.	12/-	1/- „
„ 3 in., Thick	13/6	1/3 „
Square Sticks ...	1/-	1/6 „
„ 1/2 round with metal handle		6d. „
Flat Corundum Files ...	7d.,	9d. „
Unmounted Points ...		1 3 doz.
Mounted Points ...		4/-
Unmounted Stump Wheels		2/3 „
Knife Edge Corundum and Discs	2/6	„

Corundum Wheels, &c., made to order
any size or form.

Also supplied in Powder.

COPPER-CARBO POWDER

EXPRESSLY FOR USE WITH

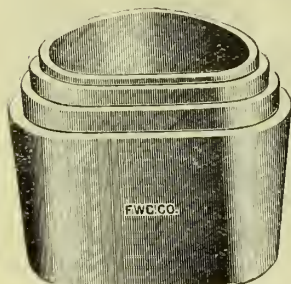
COPPER CARBO CUTTERS

BUFFALO DENTAL MAN. F.G.CO.
BUFFALO, N.Y. U.S.A.

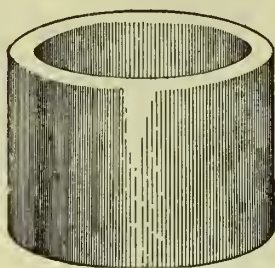
Prices :

Copper-Carbo Powder, per jar	...	9d.
Carborundum Powder, per tin	...	1/-

CASTING RINGS.



Set of three, 1/6.



In 3 sizes: 4 in., 5 in., and 6 in. diam. Well forged iron, 1/3 each.

Convenient Sizes.

DIE RINGS, 1/3 each.

COPPER-CARBO CUTTERS.

Suggested by Dr. P. W. SMITH, Palmyra, N.Y.

Copper-Carbo Cutters are made of thin copper, in four sizes and two forms, flat and concave, and of the proper temper to retain the grit.

They are designed for use with copper-carbo powder, for cutting, grinding and trimming of all kinds, but are particularly desirable for preparing and shaping roots for the reception of shell crown.

They are useful also for cutting and contouring porcelain inlays, finishing fillings and separating teeth. The edges cut as well as the sides, and they therefore cause less pain than other cutters or discs, and are less likely to injure the gums.

The edges of the smaller discs are as sensitive as a delicate explorer in detecting ridges requiring removal.

Copper-Carbo are not inclined to buckle if run dry, but to obtain best results should be kept well moistened. They are not injured by sterilising.



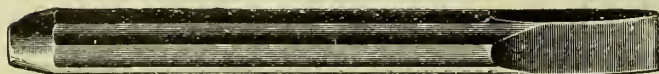
Directions for use:

Dip a cutter in glyco-thymoline, or water, allow the excess to drain off, and revolve in copper-carbo powder. Keep well moistened with water or other suitable fluid, run at moderate speed and allow the cutter to feed itself, recharging as required.

Prices:

Copper-Carbo Cutters, set of 8	...	...	2 6
Copper-Carbo Cutters, singly	...	...	6d.
Copper-Carbo Cutters, long shank, each	...	...	9d.

CHISELS (Cold).



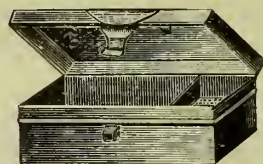
Best Quality Steel.

	1 in.	5 in.	6 in.	8 in.	10 in.	12 in. long.
in.	4d.	...	...	...	...	...
"	5d.	6d.	7d.	7d.	8d.	9d.
"	...	...	9d.	10d.	1/-	1/3
"	...	...	...	...	1/3	1/6

CASTING
FLASKS FOR
METALS.

No. 1, 3½ by 2¼	...	2/-
No. 2, 4¼ by 3½	...	2/6
No. 3, 5¼ by 4¼	...	3/-
No. 4, 8 by 6	..	4/-

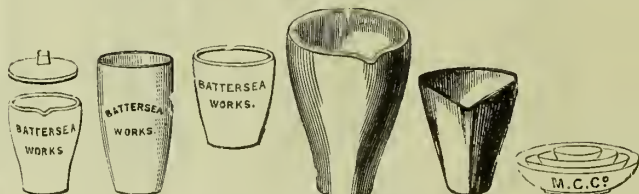
WORKBOX.



No. 217.

With Sifter	...	2/-
Without Sifter	...	1/3

CRUCIBLES FOR MELTING.



Clay Crucibles.

No. 1	2	3	4	5	6	7	8
8d.	10d.	1/3	1/9	3/-	4/-	7/-	10/- doz.

Plumbago Crucibles.

No. 0	1	2	3	4	5	6	7	8
3/-	3/-	6/-	9/-	12/-	15/-	21/-	23/-	26/- doz.

White Clay Crucibles for Fletcher's Apparatus.
2/6 doz. 3d. each.

CARBOLIZED RESIN.

Fletcher's 1/- bottle.
P.C.L., 1/- ..

COPAL ETHER VARNISH

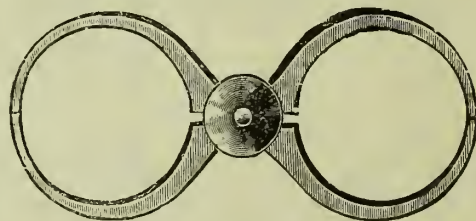
Fletcher's, 1/-

COTTON.

Absorbent, per packet	...	1/4
Polishing Cotton or Thread, per lb.	...	2 6

See also Johnson & Johnson's Specialities.

BRASS CALLIPERS.



6d., 8d., 1/- each.

No. 301. In and Out Callipers, Combined, 1/-, 1 3, 1 6 each.

No. 304. Outside Callipers. Egg Shape.

3 to 5 in., 6d. 5½ in., 8d. 6 in., 9d. each.

CASTING SAND.

7 lbs., 9d. 14 lbs., 1/3. In linen bags.

CHALK.

French, 2d. lb., 7 lbs. 1/- Precipitated, 3d. lb., 7 lbs. 1/3.

CANES (Dragon), 6d. doz.

CANE HOLDER, 1/9 each

CUTTLE FISH, 1/- lb.

GLASS CLOTH, 1/- quire.

GLASS PAPER, 9d. quire

THE BOWLING CASTING MACHINE.

PATENT No. 9518/10].

Sole Proprietors: C. J. PLUCKNETT & Co., Ltd.

[PATENT No. 9518/10.

THE BOWLING CASTING MACHINE Fig. A. is the very latest apparatus on the market. It is used with air pressure, and after a little practice perfect casting can be made from the most delicate objects. It is simply constructed, easily operated, and has no parts to get out of order.

It is very suitable to dentists for casting upper and lower dentures, crowns and bridges, also to jewellers for casting medals, rings, etc. Gold, silver and aluminium can be used with perfect results. One great advantage over other machines is that the Asbestos Washers X. enables any make of casting ring to be used, it makes no difference if they are old and out of shape, or if they are large or small, as the improvement on the handle which allows it to be lowered or raised permits of this.

The cylinder, Fig. B., which holds the air, is provided with a gauge, Fig. C., which registers up to 80 lbs. per square inch. We recommend 30 to 40 lbs. ample for casting, and this can be pumped into the cylinder in about a minute by using the powerful double cylinder pump, Fig. D., as supplied in the outfit below.

With this machine so perfect a casting can be produced that hardly any finishing is required.



Fig. A.

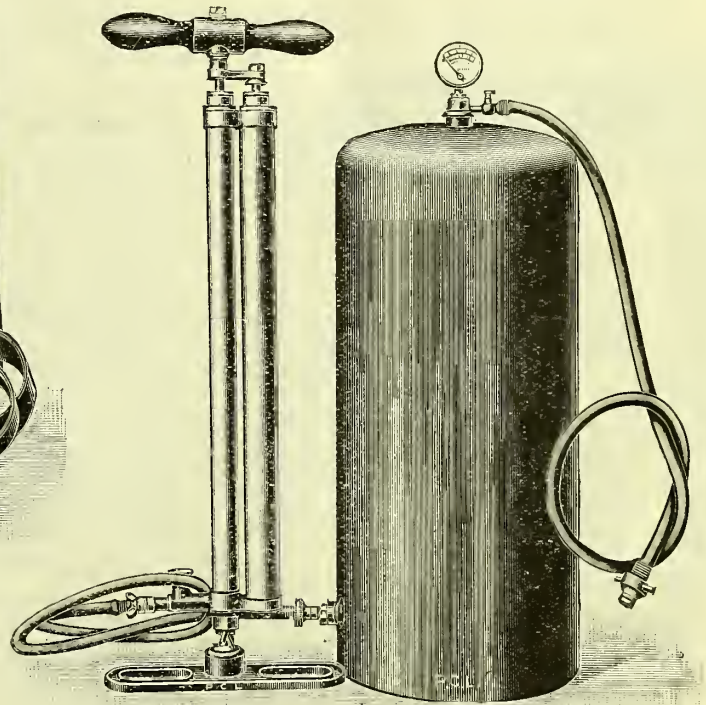


Fig. D.

Fig. B.

Complete Outfit, Price £8 8 0.

Full Instructions sent out with each outfit.

OUTFIT.

- Bowling Casting Machine, Fig. A.
- P.C.L. Air Container " B.
- " with Patent Gauge " C.
- " Double Pump " D.
- 2 Tins Bowling's Investment, No. 1, Fine; No. 2, Coarse.
- 1 Box P.C.L. Casting Wax.
- Casting Rings (4 sizes).
- 1 pair of Tongs and Tubing.
- 1 packet Nilexum Alloy.

PARTS—SEPARATE.

			£	s.	d.
Bowling Casting Machine	...	...	5	5	0
P.C.L. Air Container	...	...	1	10	0
" Double Pump	...	...	1	5	0
Bowling Investment No. 1	...	2 lb. tin	0	1	4
" No. 2	...	14 lb. tin	0	5	6
P.C.L. Casting Wax	...	per packet	0	1	6
Casting Rings, small	...	per pair	0	3	0
" large	...	"	0	4	0
Asbestos Washers	...	"	0	2	0
Tubing	...	"	0	2	6
Nilexum Alloy	...	per packet	0	1	6
" (extra heavy for lower dentures)	...	"	0	1	6

Demonstrations will be arranged from time to time with this machine, and we shall be pleased to let our customers know when they are taking place, or we can arrange appointments.

SEND FOR FULLY ILLUSTRATED PAMPHLET.

CAPSICUM PLASTERS.**Lord's Compound Capsicum Dental Plasters.**

Medicinal Contents. A special extract of capsicum, together with a small percentage of morphine.

Improvements. One side of this plaster is coated with a thin sheet of pure red rubber. Unlike other plasters, the medicinal parts are not spread on the surface, but saturated into the body and substance of the plaster. The coating of rubber renders this plaster saliva-proof, protects the cheeks and lips, and confines its action to the gums. Their action is prolonged, and being confined is more effective. They will retain their shape and position on the gums if the instructions are followed. Each box contains 80 plasters and a number of small envelopes on which are printed the directions for use.

Price per box, 2/6.

DARBY'S DENTAL CAPSICUM PLASTERS.

For securing resolution or suppuration in inflammatory conditions of the pericemental membrane. 2/- box.

S. S. WHITE'S, 2/- box.

STEMPEL'S, 4/- box.

JOHNSON & JOHNSON'S CAPSICUM PLASTERS.

Sinacine, 2/- box.

Red Cross, 2/- box.

PATENT CHARCOAL.

A superior Charcoal, genuine chemically prepared, 10d. each.

CHARCOAL IN PLASTER.

Charcoal Blocks in Plaster, 2d., 3½d., 4d., 6d. each.
Charcoal Compound (Fletcher), 1/-, 1/6 ea. Charcoal Sticks, 1/- lb.
Charcoal Compound (Fletcher), Round, 1/6 each.
Charcoal Pieces, very superior, 4d., 5d., 6d., 8d., 10d. each.

Dr. W. M. Sharp's System of making Seamless Contoured Gold Crowns

DR. SHARP'S system of making Seamless Contoured Gold Crowns is a radical departure from any other system heretofore employed, as will be apparent from the following description and working directions.

Within the last few months hundreds of the leading dentists have adopted it, and speak of it in terms of the highest praise.

Before interesting ourselves in the sale of the outfit, we made a very searching examination into the merits of the system, and have therefore confidence in recommending it to the profession for making crowns, since it possesses all the needful advantages, viz., simplicity, accuracy, saving of time and of gold.

The outfit consists of an improved Draw-Press, with a series of Punches (Fig. 1) for drawing out gold shells from discs for seamless crowns, and a set of Flexible Rubber Contoured Tooth Forms with measurement table in lid of box as shown in Fig. 2.

In this system two methods may be employed, and it is left to the dentist to decide in each case which is preferable.

One method may fitly be called the Rubber Tooth Form Method, and the other the Collar or Banding Method.

Very few instructions are given for making crowns by the Rubber Tooth Form Method, on the assumption that such details of them as are necessary will be applied when following the instructions given for making crowns by the Collar or Banding Method.

It may here be mentioned that the Rubber Tooth Forms have been very carefully chosen as typical teeth, and that their selection is the result of long experience. In many instances they will be found excellent models from which crowns can be quickly made in

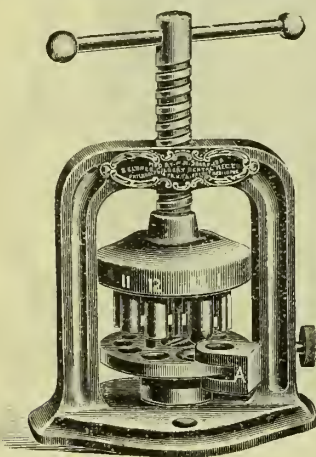


Fig. 1.

Draw Press for forming the Gold Shells.

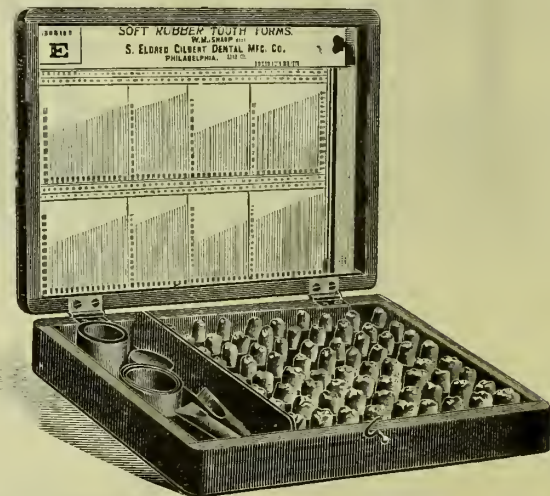


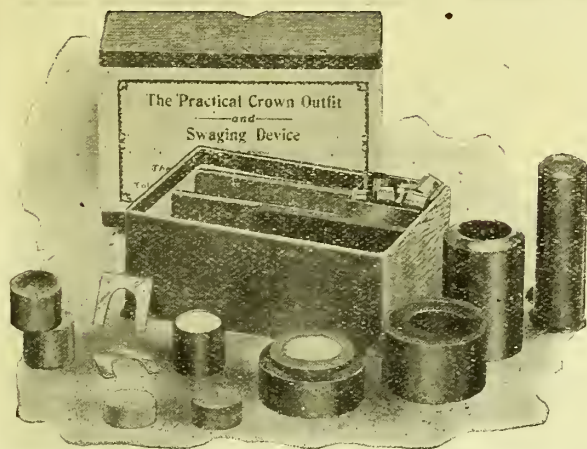
Fig. 2. Box of Rubber Tooth Forms, with Measurement Table and Accessories.

cases where there is little or no occluding surface to consider. The above illustration very imperfectly shows the contour.

Prices:

	£ s. d.		£ s. d.
Set G. Consists of draw-press and an assortment of 144 rubber tooth forms of centrals, laterals, canines, bicus-pids, and molars, with punches, fusible metal, 2 rubber blocks, 2 nonliding rings, and a supply of swaging compound and copper discs	8 6 8	Box D. Consists of an assortment of 72 rubber forms, comprising centrals, laterals, canines, bicuspid and molars	3 2 6
Set F. Consists of draw-press and an assortment of 72 rubber forms, comprising centrals, laterals, canines, bicuspid and molars, with all the accessories in Set G	6 5 0	Disc cutter, for cutting out three sizes of discs, viz., 16, 17, 18	1 5 0
Set E. Consists of draw-press and an assortment of 72 rubber forms of bicuspid and molars only, with all the accessories as in Set G...	6 5 0	Swaging compound	0 1 0
		Fusible metal	0 1 3
		Box containing an assortment of wood pins of suitable size for swaging (soft American pine)	0 1 6
		Annealed polished sheet copper, suitable for bands, per pkt.	0 1 0

Set G is the outfit complete. Set F contains one-half of the forms in G. A dentist purch using this set can complete the outfit later by procuring Box D, which is the other half of Set G. Set E is made up of 72 bicuspid and d molar forms only, taken from Set G. It does not contain all of the bicuspid and molar forms in Set G.



CROWN OUTFIT.

Prices:

Practical Crown Outfit and Swaging Device. Complete with two ingots fus alloy, one piece impression material, nine copper bands, nine copper shells, two metal arches, one copper plug, and directions	21/-
Practical Crown Outfit. Plunger, sleeve, model cup, moulding ring with two ingots fus alloy, one piece impression material, nine copper bands, nine copper shells, two metal arches, and directions	19/-
Practical Swaging Device. Plunger, sleeve, and swaging block, with impression material and rubber plug	8/6
Fus alloy, per ingot	2/-
Practical Impression Material, per ingot	2/-
Coates Die Plates	each 15/6
Copper Bands	per box of 100, assorted sizes 6/-
Copper Shells	30, 2/-



CEMENTS.

Dr. SCHOENBECK'S

Unrivalled

SILICATE CEMENT

speaks for Itself in Every Part of
the Globe.

Dr. SCHOENBECK'S

OXYPHOSPHATE of ZINC
CEMENTis on a Level with the Best in
the Market.

Supplied in 8 Colours.

Price, per full portion, 6/-, or
10/6 for FOUR Shades Assortment
Box (half portions).

NEW HARVARDID.



Dr. SCHOENBECK'S SILICATE CEMENT.



Supplied in 14 shades: White, white-yellow, light yellow, yellow, dark yellow, light pearl grey, pearl grey, greenish grey, bluish white, brownish, pink B, pink G, yellowish grey, brownish grey.

Prices:

Large packets: 1 large powder and liquid	10/-
Small packets: 1 small powder and liquid	5/-
Assorted packets:	
A—Any 4 small powders and liquid	18/-
B—Any 6 ditto ditto	27/-
C—Any 4 large ditto ditto	36/-
D—Any 6 ditto ditto	54/-
Large powder, separately	7/-
Small „	3/6
Large liquid	3/-
Small „	1/6

Dr. F. Schoenbeck's Tooth Varnish, 1/- per bottle.

Dr. F. Schoenbeck's Cocoa Butter for greasing plastic instruments when working Schoenbeck's Cements. Price, 1/- per tube.

Colours:

- | | |
|----------------------|---------------------|
| 1. White. | 6. Pearl Grey. |
| 1a. Bluish-white. | 7. Grey. |
| 2. Yellowish-white. | 8. Brown. |
| 3. Light Yellow. | 9. Pink (a) Light. |
| 4. Yellow. | 9. Pink (b) Medium. |
| 5. Light Pearl Grey. | 9. Pink (c) Dark. |

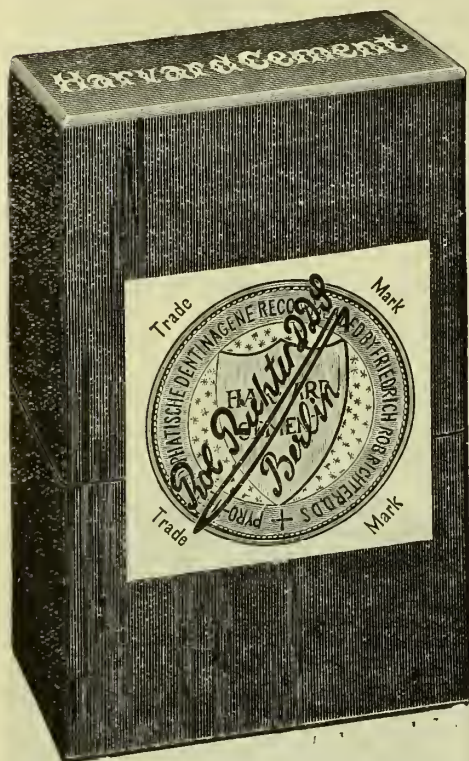
Prices:

Small Box	4/3
Large Box	10/-
Four-colour Box	12/-

Samples and Shade-cards Free of Charge
on Application.

CEMENTS. (Continued).

HARVARD CEMENT.



Made in 12 Colours.

1. White.
2. Bluish White.
3. Yellowish White.
4. Light Yellow.
5. Yellow.
6. Gold Yellow.
7. Light Pearl Grey.
8. Pearl Grey.
9. Grey.
10. Green Grey.
11. Bluish Grey.
12. Brown.

Price :

Per packet, 8/-

Half size packet, 4/3

CAULK'S PETROID CEMENT.

(Oxyphosphate of Zinc).

One of the best dental articles America has ever produced.

Unequalled in ease of manipulation, hardness, adhesiveness, and insolubility.

Made in SLOW and in RAPID setting, and in eight shades: light, light yellow, light grey, pearl grey, yellow, greenish grey, bluish grey, light brown.



Per packet	...	...	...	8/-
Per 4-colour packet	..	...	...	20/-
Powder only	...	...	...	4/-
Liquid only	...	...	...	4/-

CAULK'S INLAY CEMENT.

Specially adapted for the setting of Porcelain Inlays. Eight shades: white, light yellow, light grey, pearl grey, grey, bluish white, yellow, greenish grey.



Per packet	...	...	...	5/6
Per 8-colour packet	...	...	...	26/-

CAULK'S CROWN & BRIDGE CEMENT.

This is Petroid Cement modified to suit the special requirements of this work. Its colour, golden brown, is specially adapted for setting Gold Inlays.

Per packet	...	...	...	...	...	...	8/-
"	in lots of three packets	...	...	...	...	...	7/-
Powder only	...	...	...	...	...	...	4/-
Liquid only	...	...	...	...	...	...	4/-

CEMENT.



Pulpinoform is a painless formalin Cement for pulp treatment and filling root canals of dead teeth.

In cases of pulpitis teeth, cap the pulp with Pulpinoform, and build thereon the permanent filling: all can be done in one sitting. The same can be done with dead teeth where the pulps are amputated.

Price : Large portion, 1 powder, 1 fluid for dead teeth, 1 fluid for pulpitis teeth, 5/-

CALXINE.

A Temporary Cement.

Temporary fillings should be strong enough to withstand biting pressure. Those made of Gutta Percha will not.

CALXINE WILL!

Per packet 5/-

ARNOLD BIBER'S SILICATE CEMENT.

Prices :

Large size packet (any shade)	...	...	15/-
Small size packet	...	...	8/-
Four-colour box with two bottles of liquid	...	...	30/-

ASCHER'S ARTIFICIAL ENAMEL.

Made in ten colours : Light yellow, pearl grey, greenish grey, brownish yellow, reddish yellow, white, gold yellow, dark brown, greenish yellow, light brown.

Prices :

A box containing 1 bottle each of powder and liquid	...	12/6
Powder only, per bottle	...	10/-
Liquid	...	2/6
A box containing 1 smaller bottle each of powder and liquid	...	8/6
Powder only, per bottle	...	7/6
A set containing 4 smaller bottles of powder and 2 bottles of liquid	...	30/-
A set containing 10 smaller bottles of powder and 5 bottles of liquid	...	75/-

CEMENTS. (Continued).**De TREY'S SYNTHETIC CEMENT.****A Translucent Cement.****General Remarks.**

Tantalum filling instruments may be used. Tantalum spatulas should not be used. The abrasive power of the powder is so great that it will wear out the tantalum, and this will colour the mix.

The celluloid ring matrixes (to be had from any dealer) are often very useful for building large contours in molars and bicuspids. To fasten them against the cavity, pack non-absorbent cotton tightly between the sound part of the tooth and the matrix.

Unlike others, our liquid is perfect and unchangeable. If the bottle has been kept well corked, and the contents not contaminated, the liquid can be used to the last drop.

Do not keep the cement in a warm place, it will hasten the setting too much.

When not in use, the bottles should be kept well corked, both powder and liquid being affected by the air.

Cement fillings are meant to be always under water, and De Trey's Synthetic Cement is manufactured accordingly. Fillings made with it will retain their beautiful appearance and remarkable resistance only as long as they are kept under water or saliva. Dentists who will make tests out of the mouth must bear this in mind.

De Trey's Synthetic Cement is manufactured in the following 11 shades: 1. White. 2. Light. 3. Light yellow. 4. Yellow. 5. Dark yellow. 6. Yellowish light grey. 7. Light grey. 8. Grey. 9. Bluish light grey. 10. Dark grey. 11. Gum piuk.

**Prices:**

Per one colour (full portion) packet	...	...	12/6
" " " (1/2) " " "	...	...	7/-
" " " (1/4) " " "	...	...	30/-
" " " (1/2) " " "	...	...	57/6
" full portion of powder	...	...	8/6
" " " liquid	...	...	4/-
" double " " "	...	...	7/6
De Trey's special set of 3 tantalum instruments	...	...	15/-
De Trey's special agate spatula	...	...	2/-
De Trey's double spatula, all in agate, specially recommended	...	...	4/-

De TREY'S IMPERVIOUS CEMENT IMPROVED.

Is not an ordinary oxyphosphate of zinc cement. It is a scientifically made preparation of the most insoluble and hardest oxides of metals existing, which forms with the liquid a well-balanced combination giving the maximum insolubility, imperviousness, strength, adherence, etc.

Made in 10 Colours.

Write us for Free Samples and Shade Scale.

Price per packet, any shade	...	...	8/-
Price per bottle of powder	...	...	5/-
Price per bottle of liquid	...	...	3/-

De Trey's Oxyphosphate of Copper Cement.

Per packet 8/-

FOSSILINE.

Per packet 6/6

LE PAGE'S LIQUID GLUE.

Per Bottle, 4½d.

Per dozen Bottles,

4/-



No. 419.

6d. and 1/- per box.

**SECCOTINE.**

Per Tube ... 5d.

GEO. POULSON'S GRANITE PLOMBE.

Made in six shades. Large size, 8/-; small size, 5/-. In four assorted colours and liquids complete, 16/-

Phosphat-Plombe. Made in five colours, 5/- per packet. Same in four assorted colours, 7/6 per packet.

Poulson's New Mineral Plombe, 7/6.

Ames' Oxyphosphate of Copper	...	4/2 per packet.
" Crown and Bridge Cement	...	4/2 "
Astral Cement	small packet, 4/-; large 1-shade, 10/-	
	4-shade packet, 15/-; 8-shade packet, 30/-	
"C.A.S." Cement (Ash's), 30 grm. packet,	5/-; 50 grm. 8/-	
Fletcher's Artificial Dentine	...	4/= per packet.
" Patent Porcelain	...	6/= "
" White Enamel	...	6/- "
Formagen	large packet, 10/-; small packet, 6/-	
	large liquid, 4/-; small liquid, 2/-	

JIFFY CEMENT TUBES.

No 1	...	per box of 40, 2/-
No. 2 (for Root Filling)	...	" " 2/-

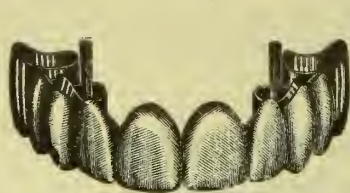
P.C.L. CEMENT STICKS.

1/6 per dozen. 2d. each.

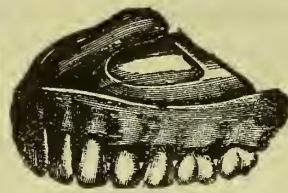
PORROS REPAIR CEMENT STICK.

1/6 each.

DENTAL CUTS. For Memos, Stationery and other Purposes.



No. 6. 1/-



No. 2. 1/6



No. 11. 9d.



No. 10. 1/-



No. 16. 1/6



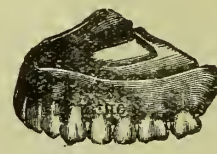
No. 9. 1/-



No. 8. 1/-



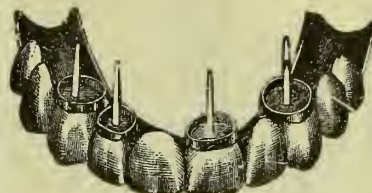
No. 4. 1/-



No. 3. 1/-



No. 17. 1/-

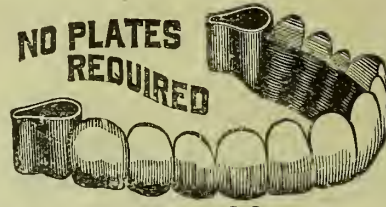


No. 5. 1/-



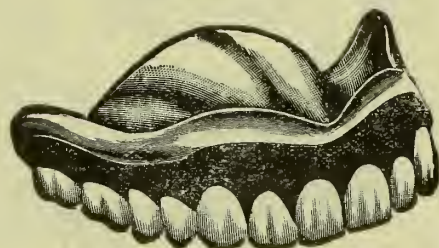
No. 15. 2/6

TEETH
Without Plates.



No. 14. 2/6

NO PLATES
REQUIRED



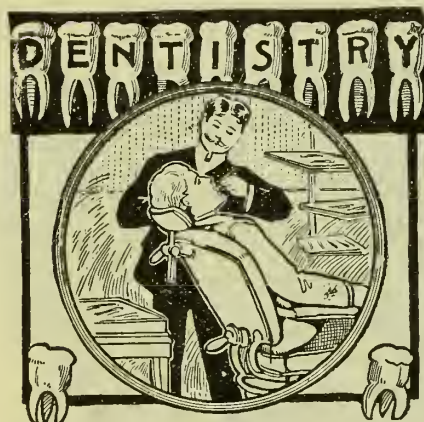
No. 1. 2/6



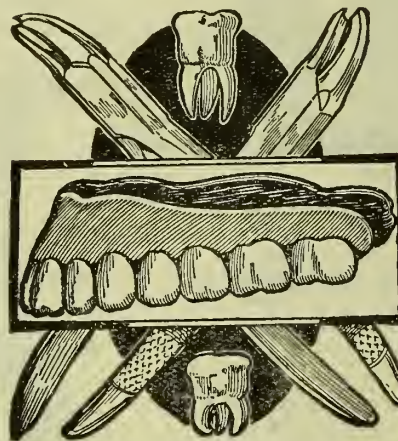
No. 13. 1/6



No. 7. 1/6



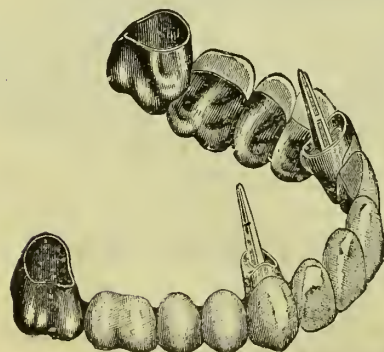
No. 22. 2/-



No. 23. 2/6



No. 18. 3/-



No. 12. 2/-



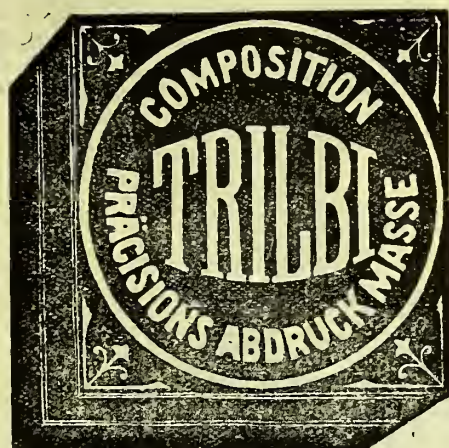
No. 20. 2/-



No. 19. 2/-

No. 24. 1/3

COMPOSITIONS.



5/- per lb. in $\frac{1}{2}$ -lb. boxes.

**NEW ROYAL
MODELLING COMPOSITION.**

2/6 per lb.

Sole Agents—

C. J. PLUCKNETT & Co., Ltd.
29 & 30, Poland Street,
London, W.

**WEBB'S WHITE
MODELLING COMPOSITION.**

2/6 per lb.

A beautiful White Composition. Will be used by all Dentists wishing for a CLEAN and pure article.

Sole Agents—

C. J. PLUCKNETT & Co., Ltd.,
29 & 30, Poland Street,
London, W.



Also that the label on every box bears this signature—

C. P. & C. Stent.

3/6 per lb; 6 lbs, 18/-; 14 lbs, 40/-;
28 lbs, 76/-; 56 lbs, 144/-

H. C. STENT'S COMPOSITION.

2/6 per lb; 5 lbs, 11/3; 10 lbs, 20/-

CROWN COMPOSITION.

4/6 per lb; 6 lbs, 24/-

A1 COMPOSITION. 4/- per lb.

KERR'S COMPOSITION.

$\frac{1}{2}$ -box, 2/1; 6 lbs, 22/6; 12 lbs, 44/-

"MAYO"

COMPO RENOVATOR AND STERILIZER.
1/- Tube.



**PHILLIPS'S NEW GAMB
IMPRESSION COMPOSITION.**

Cameo composition yields an exceedingly sharp, clean and pleasing impression—equal in every way to a plaster of Paris impression, but it is quite free from the objections attending the use of plaster.

It is tasteless and unscented, and so soft and cool in the mouth that its employment reduces to a minimum the feeling of nausea so often experienced by patients while an impression is being taken.

Per lb., 4/-

5 lb. lots, per lb., 3/6



"ACME" MODELLING COMPOSITION.

This composition is the only reliable one for taking an absolutely Perfect Impression of the Mouth.

OUR SPECIAL COMPOSITION—

Pink	...	2/- per lb.	5 lbs at 1/9
White	...	2/6 per lb.	7 lbs at 2/3

Sole Manufacturers—

C. J. PLUCKNETT & Co. Ltd., 29 & 30, Poland Street, W.



"GODIVA" MODELLING COMPOSITION.

No. 1 SOFT.

Price 3/6 per lb. 6 lbs, 18/-

This quality is recommended in cases of tender gums, cleft palate, &c., also for use in cold weather; it takes very sharp and accurate impressions, can be used at a low temperature, requiring two minutes to set before withdrawing from the mouth.

No. 3 HARD.

Price 3/6 per lb. 6 lbs, 18/-

This quality sets in from one minute to a minute and a half. For edentulous cases, also where a quick setting preparation is required, and for use in very hot weather—it is especially recommended.

No. 2 MEDIUM. Price 3/6 per lb 6 lbs, 18.-

This quality is intended for ordinary use; and where no special properties are required, it will not fail to produce a reliable impression, it requires from one and a half to two minutes to set before withdrawing from the mouth.

No. 4 EXTRA SOFT. Price 3/6 per lb. 6 lbs, 18/-

This composition is introduced for the purpose of utilizing and restoring the properties of any Godiva Composition which may be considered "used up." Equal parts, more or less, according to the hardness required, should be well mixed under very hot water with a strong spoon or spatula; the result being a compound which may be fully relied on for taking impressions of the gums, &c. For taking bites, warm water will be sufficient for the "extra soft."



Harvard Modelling Compound.
The Best Composition of the World.
 It is made to take accurate impressions, and whoever tries it once will use it again. Quick and equal hardening. No changing of the form while chilling. Can be applied almost cold in the month. Colours: Red and Yellowish. Sample plates 5d. ea. Price per Box, containing 6 plates, 2/-; 6 Boxes at a time for 11/-; 12 Boxes at a time for One Guinea.

DR. SCHOENBECK'S IDEAL IMPRESSION COMPOSITION. ::
 Recommends itself for Precise and Sharp Impressions. Easy and Clean Manipulation. Absence of Shrinkage and Expansion. Pleasant Aromatic Taste. Quick Setting. Absence of Dragging. Cheapness.
 Price 1/9 per box; 10 lbs. for 30/-



CLAMPS.

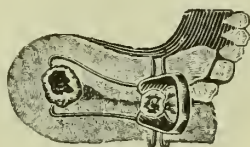


Fig. 1.

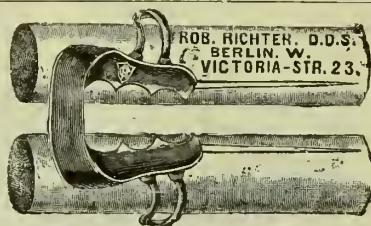


Fig. 3.

CLAMPS.

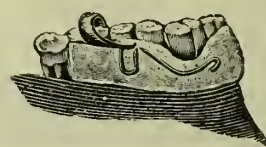
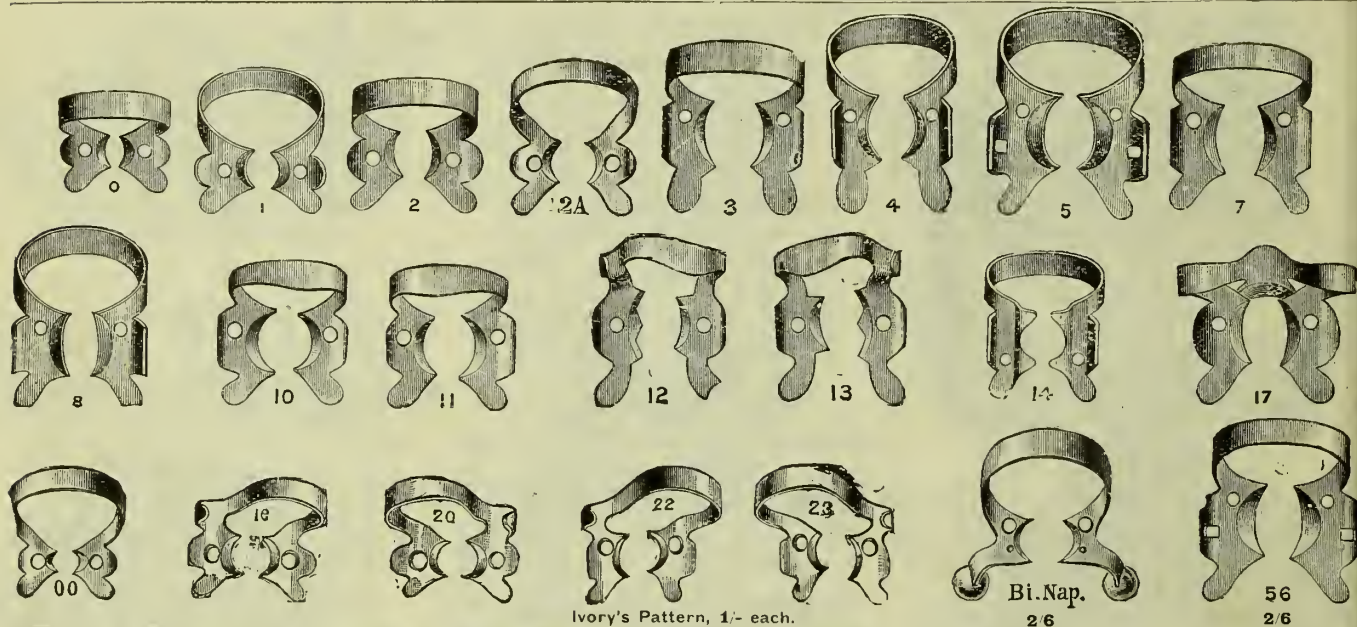


Fig. 2.

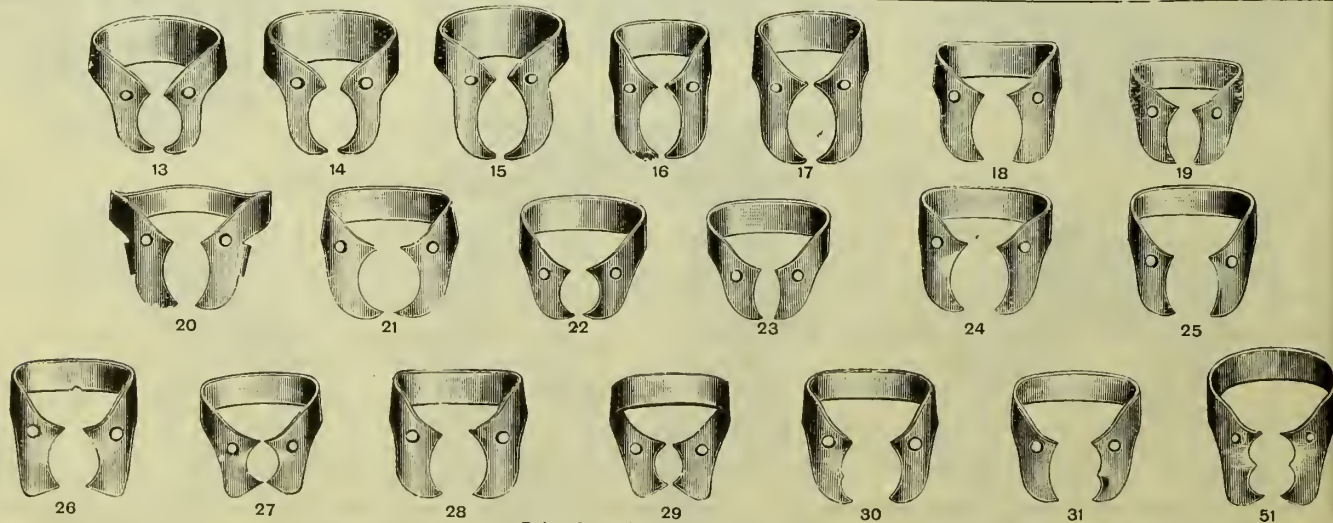
Price—Molar and Bicuspid, 3/6 each.



Ivory's Pattern, 1/- each.

Bi.Nap.
26

56
2/6



Price from Nos. 1 to 51, 1/- each.

Ivory's Original Rubber Dam Clamps,
 2/6 and 3/- each.
The Climax Cervix Clamps, 3/- each.
How's Cervix Clamps, 4/- each.

How's Cervix Screw Clamps, 9/- each.
J. F. Colyer's Rubber Dam Clamps,
 with Broad Flanges, 2/- each.
R. P. Lennox Cervix Clamps, 10/6 each.

Libby's Cervix Clamps, 12/- per pair.
T. Goodhugh's Wool Roll and Napkin
 Clamps, set of 4, 3/8

BRANCH PRACTICE CHAIR.



No. 7.

This Chair is of very strong construction. It is of iron, and elegantly lacquered and lined. Head-rest support well nickelled. The front of the Chair is ornamented with a nice design. On pressure by the foot on the back lever, the back, arms, and foot-rest can be swung backwards, and adjusted as operator desires. The foot-rest can be lengthened or shortened, and the head-rest, although simple, can be adjusted to the height required, swung round, and opened or closed. There is also a good arm support.

Although cheap, this Chair is of really good appearance, and looks well in any operating room. It is well finished in good red plush, and there is nothing that can go wrong with it. We guarantee everything good. We have sold many and they have given every satisfaction.

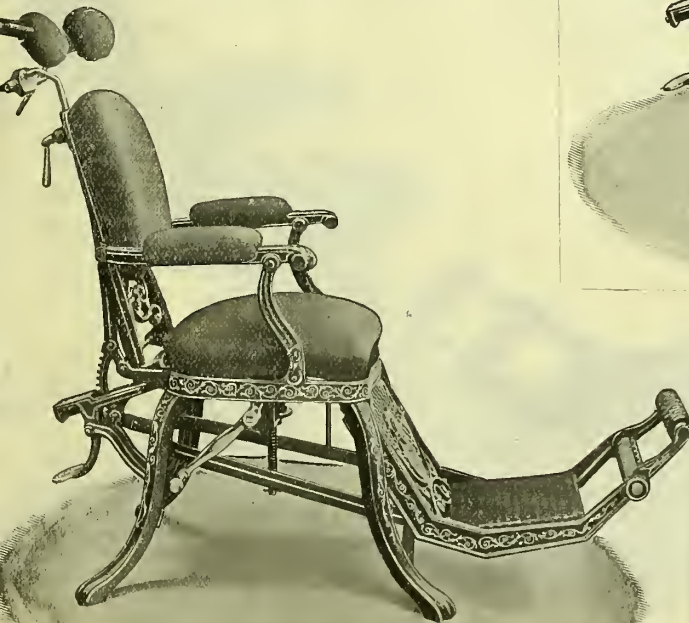
Lowest position of seat, 20½ inches.

£7 0 0

No. 4.

The seat of this Chair can be raised or lowered by means of a handle at side. The back, the foot-rest, and the arm supports can be adjusted or swung back by pressing the foot upon the projecting lever. The Chair automatically locks itself in any position. The foot-rest can be lengthened or shortened as desired. The head-rest can be fixed in any position by one touch of the lever. The Chair is well made. Right and left arm supports are supplied with the Chair. The bright parts are well nickelled, giving it a very good appearance. The mechanism of the back, etc., is very simple and powerful, and can be thoroughly guaranteed. The Chair is elegantly finished in red plush, gold lining and lacquering. Highest position of seat, 26 inches. Lowest position of seat, 20½ inches.

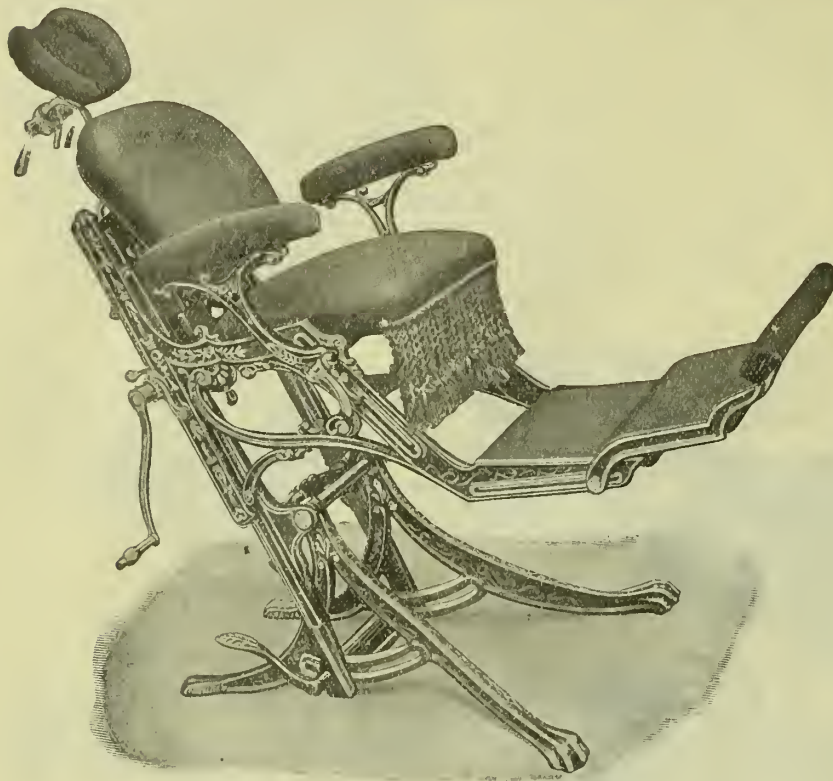
PRICE COMPLETE, **£9 0 0**



No. 4A.

Same as No. 4, but with Adjustable back Cushion.

£10 0 0



THE MORRISON CHAIR.

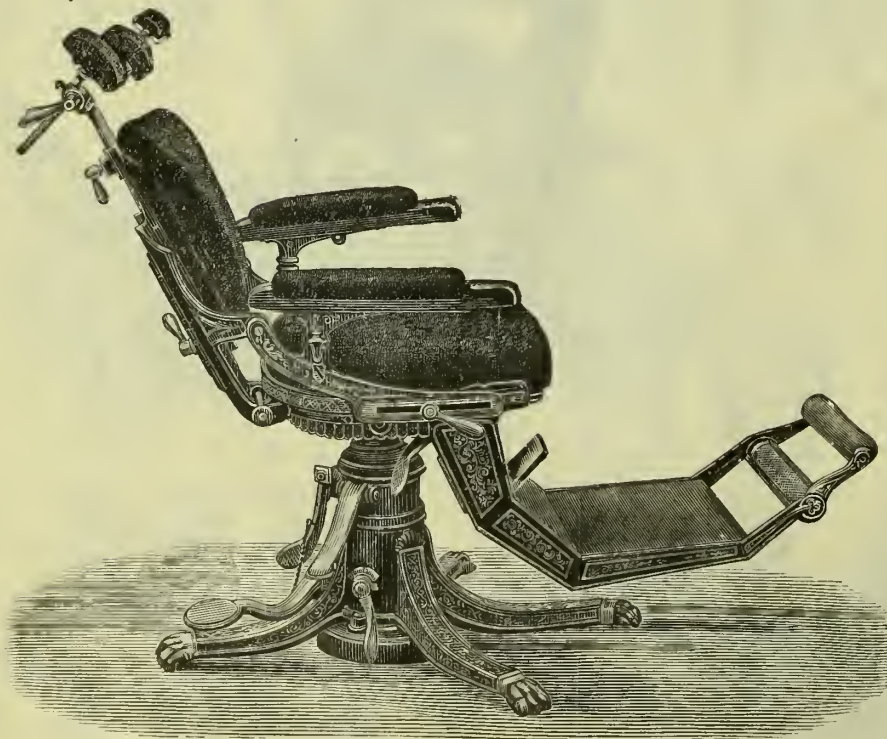
This Chair is made after an American model, but it has been improved in many of its parts. The body of the Chair can be raised or lowered by the handle at side. The whole body of the Chair can be easily swung backwards by using the back lever.

The back cushions can be raised, lowered, or swung forward. The arms can be fixed to any height required. The foot-rest can be adjusted to any length. The head-rest is very strongly made, and is of the best construction.

The Chair is strongly made, enamelled and lined.

Highest position	-	37 ins.
Lowest position	- -	14 ins.

Price - - £14 0 0.

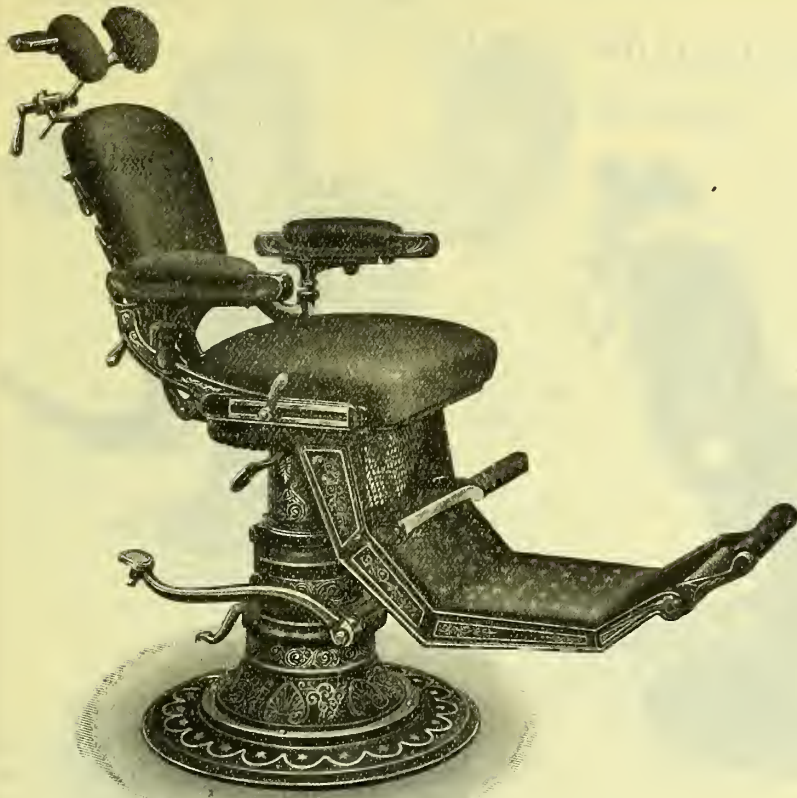


PUMP CHAIR, No. 11.

The oil pump base is made after Wilkerson's Pattern with four legs, is a very useful, sound and reliable Chair. Japanned, beautifully upholstered in red plush, bright parts nickelled, every movement required.

Highest position	- -	27½ ins.
Lowest position	- -	19½ ins.

Price - £16 16 0.



THE SPECIAL OIL-PUMP CHAIR.

A very strong and serviceable Chair. First-class workmanship, neatly japanned and lined. Levers richly nickel-plated. Head-rest as shown.

Round base as illustrated.

Highest position	-	-	-	43½ ins.
Lowest position	-	-	-	17½ ins.

Price - £20 0 0.

The description of the Victoria Chair as regards style and finish applies to The Special.



VICTORIA OIL-PUMP CHAIR.

The introduction of this Chair is intended to meet the demand for a practical, and at the same time cheap Pump-Chair.

Although the low price places this Chair within the reach of every dentist, care has been taken to maintain the workmanship and finish at the highest standard of perfection. With all the movements required, the Victoria Chair is specially recommended for Anæsthesia, the back moving with the arm supports to a horizontal position.

The absolutely silent action of the pump, and the graceful shape of the Chair, deserve particular consideration.

Lowest position of seat	-	19 ins.
Highest position of seat	-	28 ins.

Price of the Chair, beautifully japanned, all bright parts well nickel-plated, covered with best maroon plush:

£18 18 0.

THE P.C.L. "LOW" CHAIR.

(Registered).



Fig. 1. Showing Chair lowest position.



Fig 2.

DESCRIPTION.

The Chair is well constructed, beautifully designed, with first-class enamelled finish, and lined ornamentation. Upholstered in red plush (or any colour to order). Base has two telescopes. Any position may be obtained, the two arms may be swung down so as to enable the stoutest person to be seated comfortably. (See small sketch, Fig. 2.)

The footstand rests on floor, thus avoiding the necessity of patient having to step up as in the case of old form of chairs. Extra footrest for children.

Furnished with a perfectly new form of headrest (Fig. 3) securing a perfectly safe and easy position.

Height at Highest	-	-	-	-	34 ins.
Height at Lowest	-	-	-	-	17½ ins.
Height at Lowest (without seat)	-	-	-	-	15½ ins.

Price - - - £25 0 0.

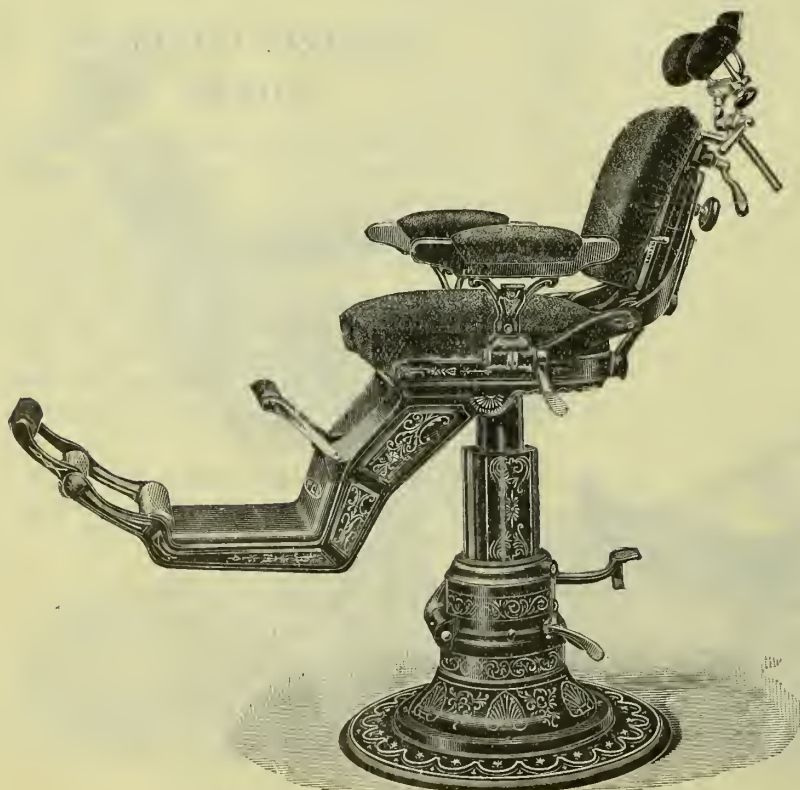


Fig. 4. Showing Chair highest position.

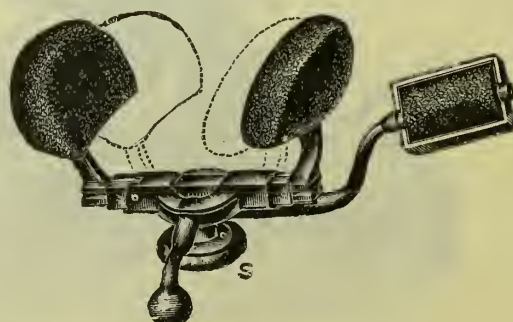
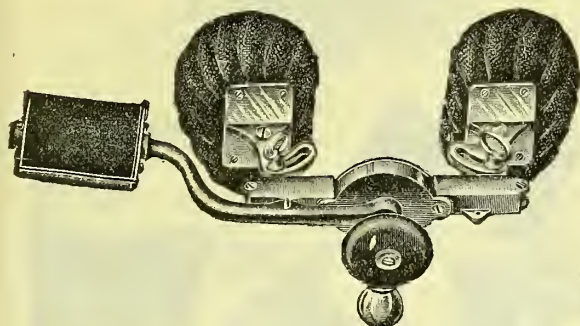


Fig 3.

Adjustable Head Support No. 2.

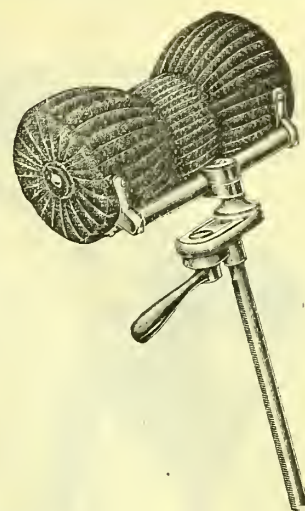


This head support is one of the most widely purchased. The pivoting motion of the head cushion is eliminated. It may be used for every chair.

Price, with Rod or Ball - £2 2 0.

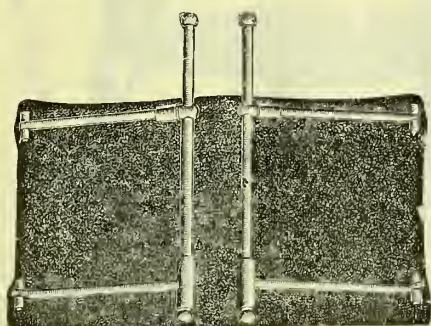
Roller Head=Rest.

The illustration shows this design which has had a large sale in recent times and which, owing to its many advantages, enjoys wide favour. The adjustability of the head-rest is extremely great, and the solid design ensures great durability.



Price - £3 0 0.

Child's Seat.

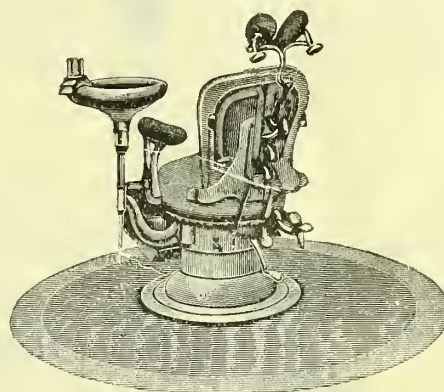


YOU CANNOT
SLIP.

IT IS
PERFECTION.

A Corrugated Rubber Mat.

Of Superior Quality for Operating Chair.



No surgery is complete without this Mat, it not only adds to the appearance of room but is most comfortable to stand upon.

SIZE : Diameter, 5 feet ; Thickness, nearly $\frac{1}{4}$ in., $\frac{3}{16}$ in.

Price - - £3 10 0.

Head=Rest Pads.

ROLL HEAD-REST PAD.
Fig. 2.

SINGLE.
Fig. 1.

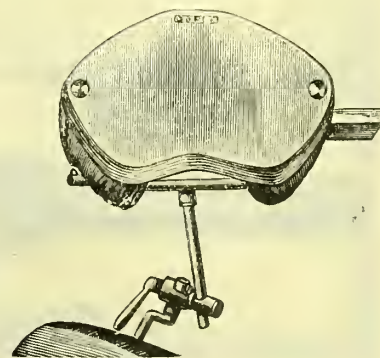
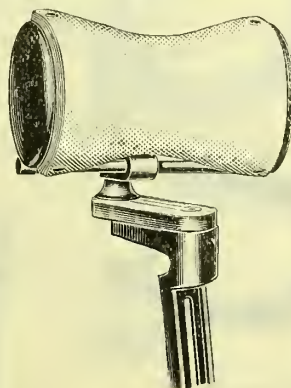


Fig. 1	...	...	1/-	Best quality, 1/6 each.
" 2, for Roll Head-Rests	...	...	1/-	" " 1/6 "
" 3, " Double Head-Rests	...	...	8d.	" " 1/- "

This plain and practical furniture can be fitted to every existing chair and forms a convenient seat for a child. If folded together it can be put aside when not in use.

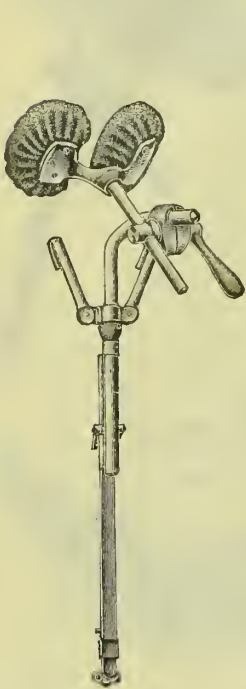
A very valuable auxiliary equipment for every chair.

Price - - £1 1 0.

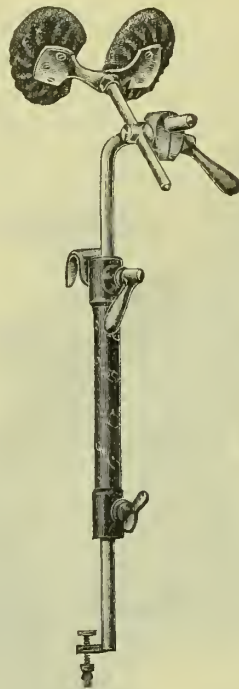
Chair Attachments—Portable Head-Rests.

These head-rests are indispensable for travelling practice and when not in use they can be entirely folded together. They can be attached to ordinary chairs of every kind and allow of very varied adjustment of the head-rest and secure fixing in every position.

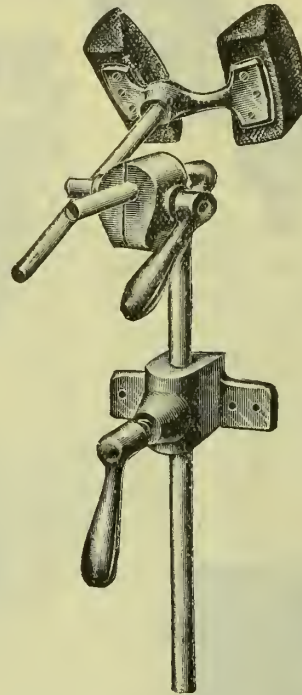
They are very elegantly plated or finely japanned, the cushions being covered with best plush.



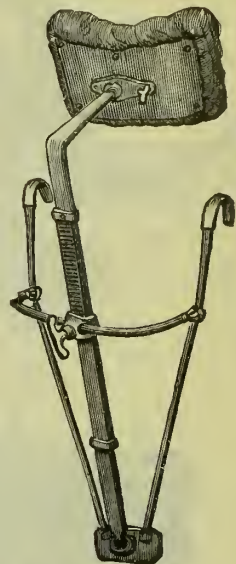
No. 1.
Plated throughout.
45/-



No. 2.
Plated throughout, main
rod japanned.
45/-



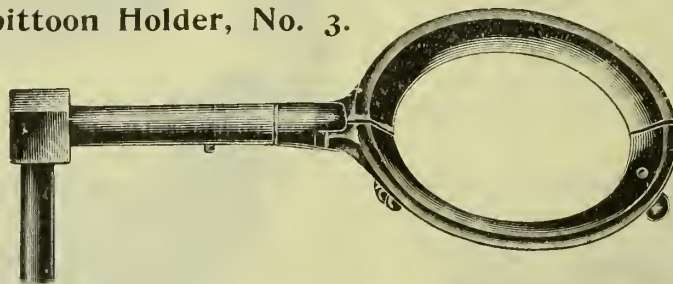
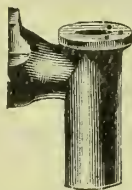
No. 3.
For wooden chairs with wide back
Plated throughout.
44/-



No. 4.
Plated throughout.
45/-

Spittoon Holder, No. 3.

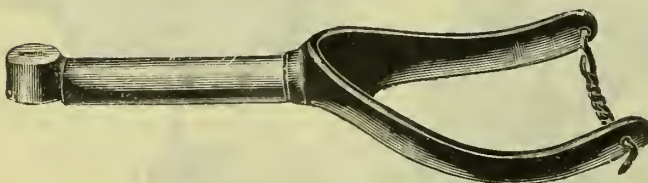
See also Stands for
Table Spittoon, &c.



See also Stands for
Spittoons, &c.

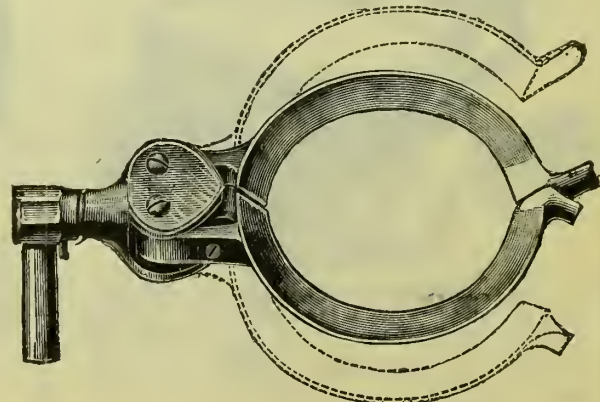
Nickel-Plated, 10/6.

Spittoon Holder, No. 2.



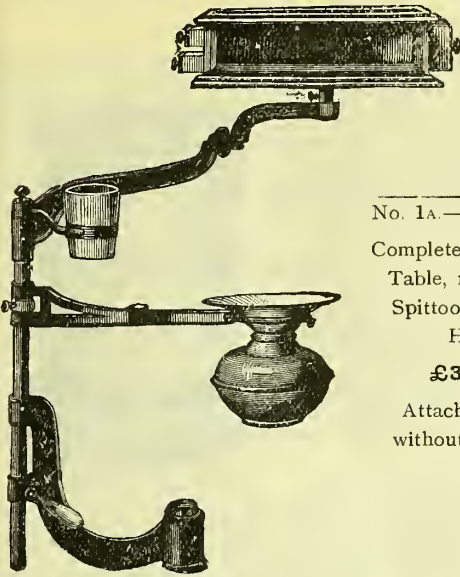
Nickel-Plated, 10/6.

Spittoon Holder, No. 1.



Strongly made and Nickel-Plated, 12/6.

Chair Attachments.



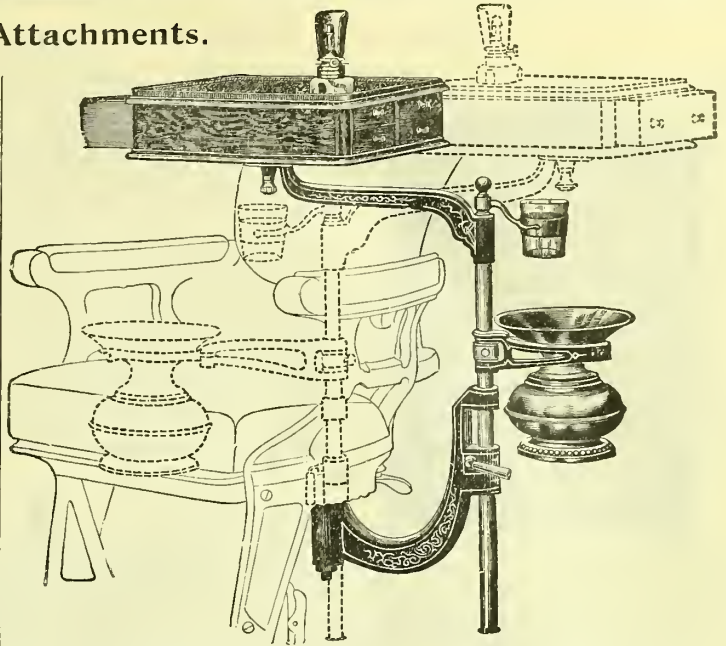
No. 1A.—ATTACHMENT.

Complete with Allen's Table, nickel-plated Spittoon and Glass Holder.

£3 17 6.

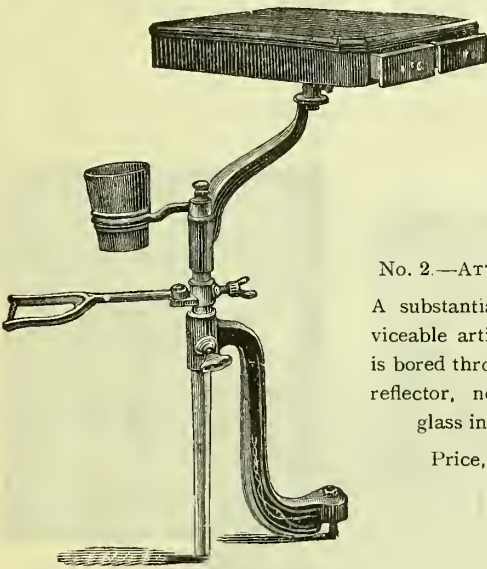
Attachment only, without accessories,

50/-



No. 1B.—ATTACHMENT. Has a Single Arm for table and plain pattern of Spittoon Arm. All other parts similar to No. 1A.

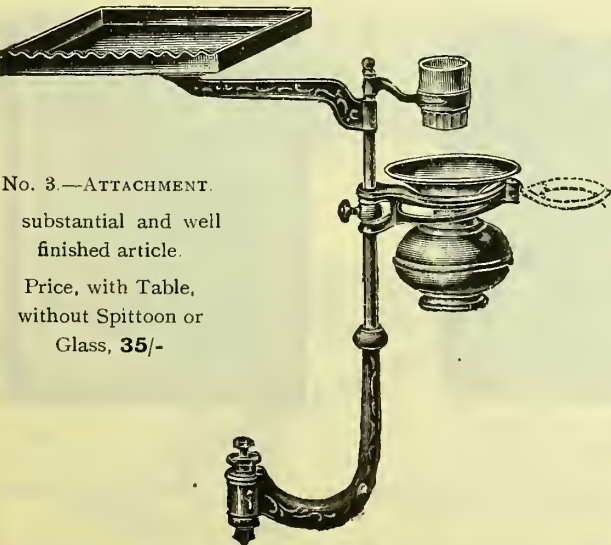
Price, Attachment only without Accessories, 42/-



No. 2.—ATTACHMENT.

A substantial and serviceable article. Cross is bored through to take reflector, no table or glass included.

Price, 40/-



No. 3.—ATTACHMENT.

substantial and well finished article.

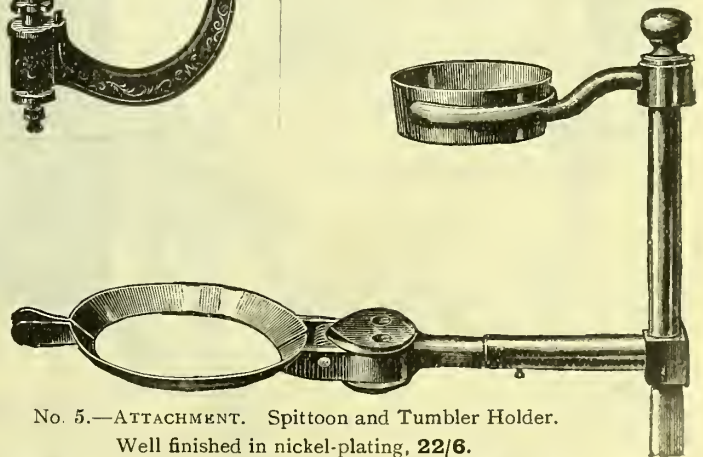
Price, with Table, without Spittoon or Glass, 35/-



No. 4.—ATTACHMENT.

A strong, simple and well-made Attachment. Suitable for all Chairs.

Price, without Spittoon or Glass, 27/6



No. 5.—ATTACHMENT. Spittoon and Tumbler Holder.

Well finished in nickel-plating, 22/6.

CASES.

SHOW CASES, No. 1



Ebonised Pilaster Show Case, 12 ins. high by 8 ins. wide, 3 ins. back to front; plain pediment, wood ends, plate glass in front, velvet lined back; door at back. Name on glass at top.

Fitted inside with the following well-made show specimens:—

- 1 Full Upper on Vulcanite } Articulating.
- 1 Full Lower on Vulcanite }
- 1 Partial Upper on Vulcanite
- 1 Partial Lower on Vulcanite.
- 1 Partial Upper on Gilt Metal.
- 1 Partial Upper on Silvered Metal.
- 3 Show Tickets.

The specimens are supported by clips from the back of the case.

Show Case only ... 25/-
With Specimens ... 84/-

No. 4.

Ebonised, plate glass front, and mirror back, three plate glass shelves.

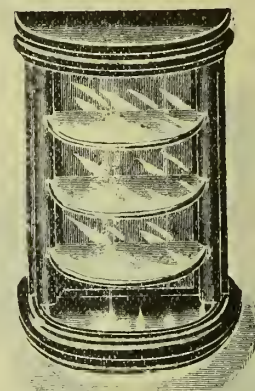
DIMENSIONS:

Height, 14 ins.

Width, 10 ins.

Depth, 5½ ins.

Price, 27/6 each.



Various Show Cases in stock or made to order. Any Lettering at 1/- per letter.

DR. A. E. MIMMACK'S CELLULOID MATRIX.

A TIME SAVER.

Cement fillings are given a splendid surface, without expenditure of time for finishing by using

DR. A. E. MIMMACK'S CELLULOID MATRIX STRIPS, 2/- per 100.

P. C. L. CELLULOID STRIP, 1/6 per 100.

These Cabinets call your patient's attention to the fact that you sterilize your instruments, and as they are well made and well finished, they are an ornament to your office.

DIMENSIONS, STERILIZER No. 1:

Contains three trays, 7½ by 10½, and one long-handled instrument rack. Height, 13 ins.; Width, 13 ins.; Depth, 9½ ins. Shipping Weight, 40 lbs.

Sterilizer No. 1, any finish, either wood or glass back ... £1 13 6

Glass back furnished, unless otherwise specified.

DIMENSIONS, STERILIZER No. 2:

Provided with a door over each compartment, which enables you to take out each tray without opening the whole front, thus preventing the fumes from escaping so readily. Contains three trays, 6¾ by 12½, and one long-handled instrument rack. Height, 18 ins.; Width, 15 ins.; Depth, 8½ ins. Shipping Weight, 45 lbs.

Sterilizer No. 2, any finish, either wood or glass back ... £3 3 0

Wood back furnished, unless otherwise specified.

DIMENSIONS, STERILIZER No. 3:

Contains five trays, 7 by 11½, and two long-handled instrument racks. Height, 19½ ins.; Width, 14½ ins.; Depth, 8¾ ins. Shipping Weight, 45 lbs.

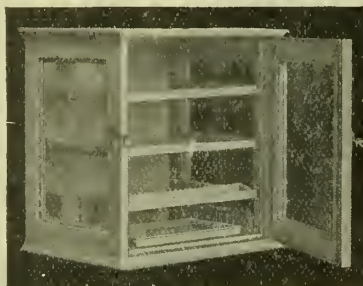
Sterilizer No. 3, any finish, either wood or glass back ... £2 12 6

Wood back sent, unless otherwise specified.

WALL OR TABLE STERILIZERS

In White Enamelled Wood,

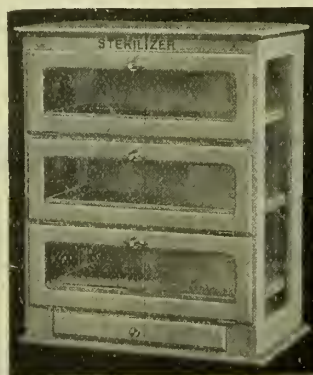
Or to Order in Golden Oak, Weathered Oak, or Antwerp Oak.



Wall Sterilizer No. 1, Open.



Wall Sterilizer, No. 2, Open.



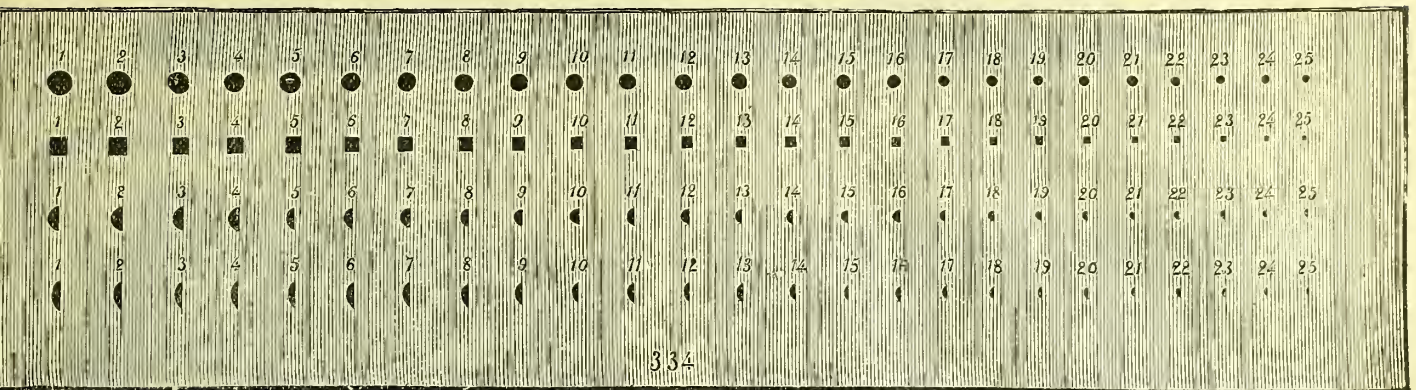
Wall Sterilizer No. 2, Closed.



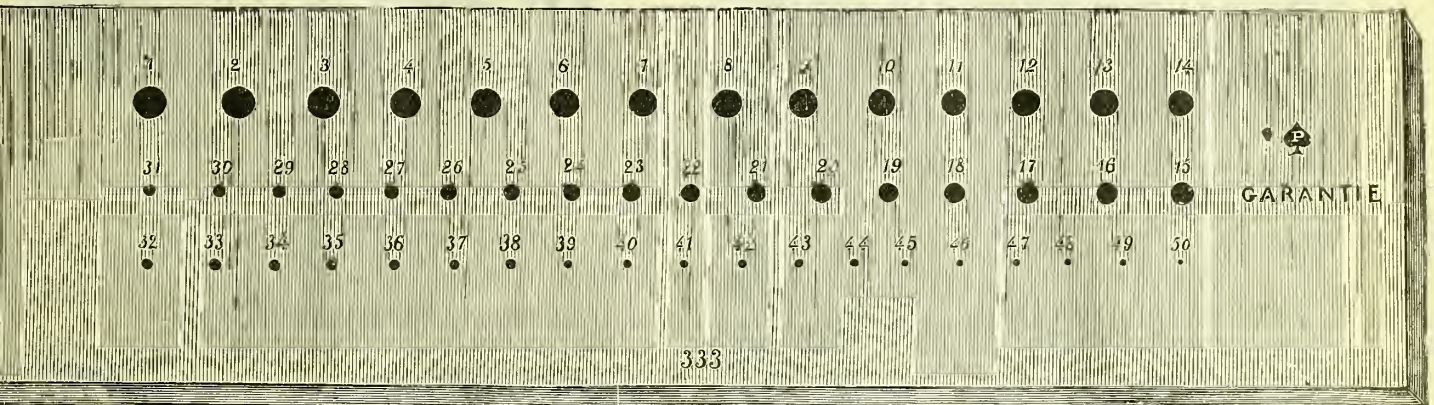
Wall Sterilizer No. 3, Closed.

The perforated metal shelves are removable and adjustable, and are finished with white enamel baked on.

DRAWPLATES.—Best Quality Drawplates Warranted.



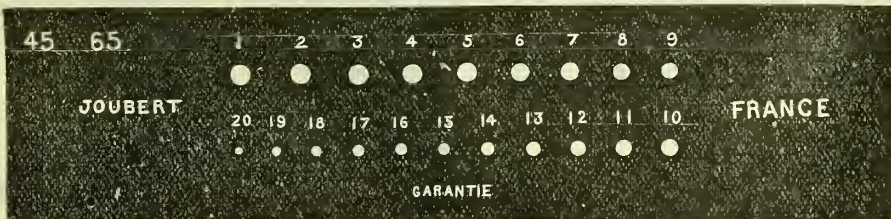
Drawplate exact to sketch, giving four shapes, and all useful sizes, 16/6 each.



50-hole Round Drawplate, all sizes wanted in Dental Work, 5/- each.

DRAWPLATES
(French).

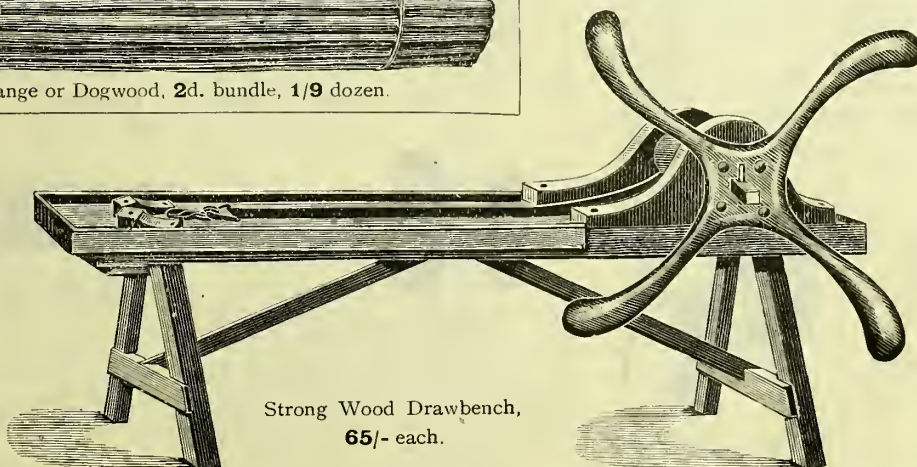
Actual size.

91. A. Round Pattern,
10 holes, 2/- each.
(As illustration.)SMALL DRAWPLATES
from 2/-BENCH DRAWTONGS,
4/6 upwards.
HAND DRAWTONGS,
1/9, 2/-, 2/6 each.

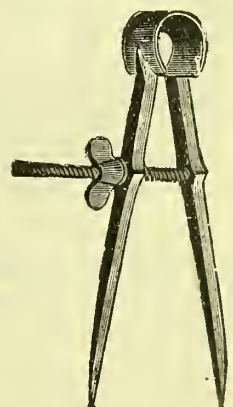
Orange or Dogwood, 2d. bundle, 1/9 dozen.

DRAWBENCHES.

See also Woodwork Section.

Strong Wood Drawbench,
65/- each.

DIVIDERS.

1/- to 1/6.
English. Best Quality.
2/3, 2/6, 2/9 each.

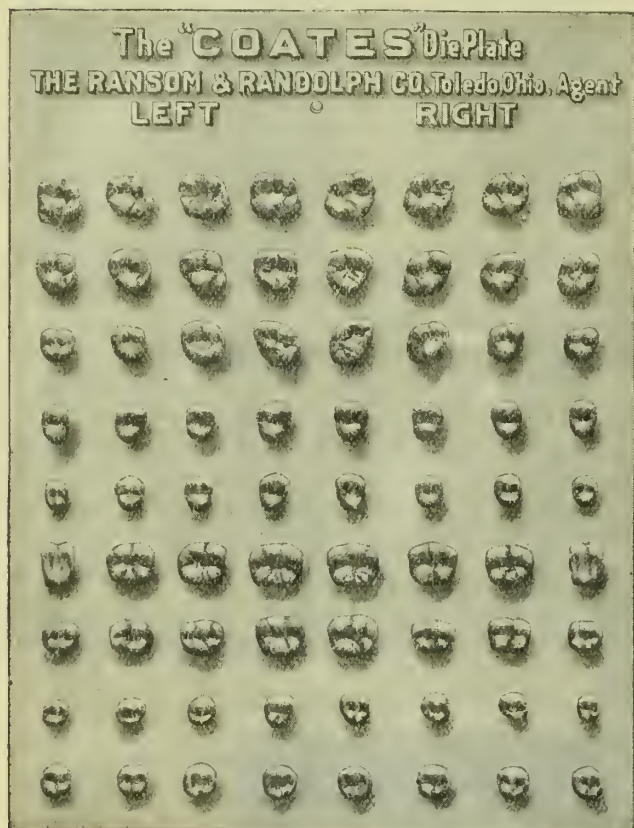
Dentimeter.



KIRKWOOD'S, 1/6 each.

S. S. WHITE'S, 2/- each.

The Coates Die Plate.



This Die Plate with our Practical Crown Outfit makes the most scientific and practical outfit extant.

The forms on the plate are full-sized reproductions of natural cusps, to obtain which, in suitable sizes and shapes and in mated pairs, it was necessary to carefully search through, compare and examine several thousand teeth.

The arrangement is ideal. To do away with all possibility of confusion, the cusps for the right side of the mouth are on the right side of the plate. Those for the left side are on the left. Those for the superior roots are above and those for the inferior are below. The cusps are arranged in mated pairs, each cusp on the right side in any row mating the corresponding cusp on the left side. Each pair of cusps increases in size as the centre is approached, and the increase is so uniform and so well planned that better results can be obtained than by the use of many plates with a greater number of ill-assorted cusps. Size of plate $5\frac{3}{4}$ by 8 inches.

Full directions accompany each plate.

Price 15/-

S. S. White's Diamond Discs.

Charged on both Sides and Edge.
 $\frac{3}{8}$ inch No. 1, $\frac{3}{8}$ inch No. 2,
 9/6 each. 13/6 each.

Charged on One Side and Edge.
 $\frac{3}{8}$ inch No. 1, $\frac{3}{8}$ inch No. 2,
 7/3 each. 8/4 each.

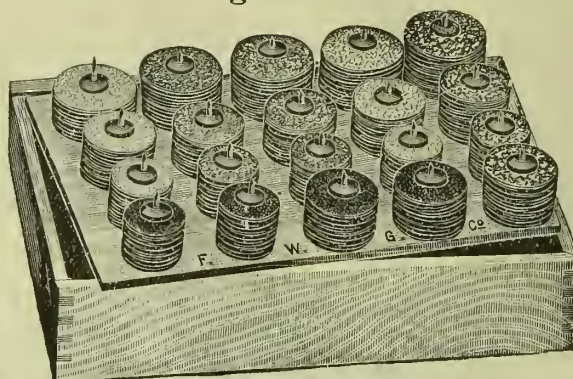
RUBBER DISCS, 2/6 doz.

RUBBER CUPS, 2/6 doz.



Mandrel for Moore's
Engine Discs, 2/- each.

Engine Discs.



Discs. MOORE'S. Boxes of 50, 5d. each.
 To be had in all sizes, $\frac{1}{8}$ in., $\frac{3}{8}$ in., $\frac{1}{2}$ in., $\frac{3}{4}$ in.

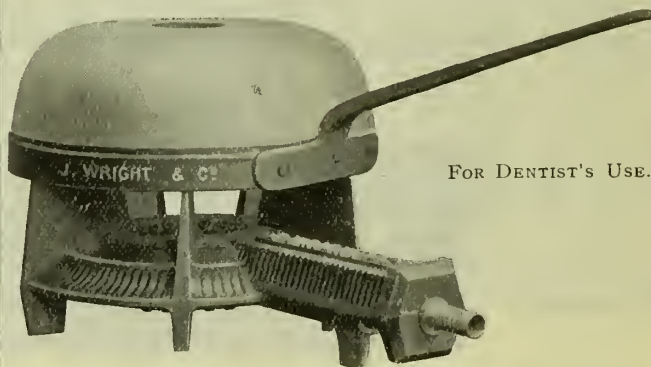
All Grits in stock of following:

Emery. Sand. Garnet. Cuttle Fish. Carborundum.

P.C.L. Discs with Round Holes, 4d. box.

S. S. WHITE'S Discs, 5d. box.

Dryer (Plate) and Heater.

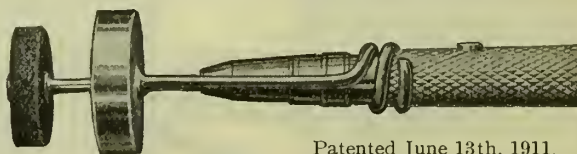


This consists of a porous fireclay dome, resting on one of our No. 10 Standard Burners, size of dome inside, 4 ins. diameter, 2 ins. deep. It will take work up to 3 ins. diameter, and will heat a block of iron over 1 lb. weight to clear redness with the ordinary burner as engraved, without the assistance of a blowpipe or blast of air.

Price complete ...	5/10	Dome only ...	4/-
Burner only ...	1/10	Iron Dome only ...	10d.

Dr. Fell's Dental Guard.

FOR DISCS OR CARBORUNDUM.



Patented June 13th, 1911.

Illustration shows Style B Guard attached to No. 7 handpiece, with disc extended. Style A is for Doroit handpiece. Style B is for No. 7 or any chuck handpiece.

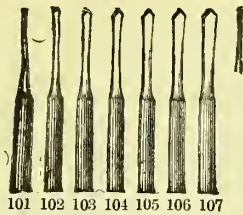
It's your insurance against suit for damages. Your patient's insurance against laceration of cheek or tongue. Forms a perfect shield for grinding discs three-sixteenth inch or less in thickness, three-quarter inch or less in diameter.

3/- each.

DRILLS, VARIOUS.

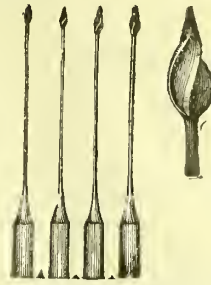
DIAMOND DRILLS,

4/- each. S. S. W.

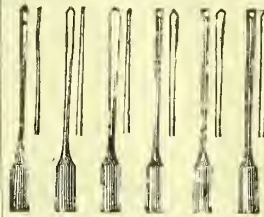
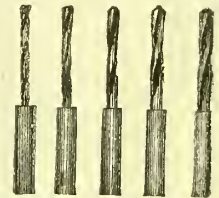


SPEAR.

1/9 doz. 2d. each.

CROSS CUT REAMERS
9d. each.GATE'S GLIDDEN
DRILLS.5 Sizes 8d. each, 7/- doz.
Same, with Spring in Stem,
1/6 each, 14/- doz.TALBOT'S REAMERS,
9d. each, 8/- doz.PETTEE'S REAMERS,
1/6 each.PEASO'S REAMERS,
1/6 each.

BEUTELROCK'S NERVE CANAL DRILLS,

18 assorted in case, 6 for handpiece, 6 for right-angle,
6 for hand. Case 15/-. Singly 10d. each.FLEXIBLE DRILLS,
4/- doz.TWIST DRILLS,
2/6 doz.
3d. each.PETTEE'S FLEXIBLE
DRILLS & REAMERS,

1/6 each, 14/- doz.

GIRDWOOD'S REAMERS,
1/3 each.HUMBY'S
ROUGHNERS,
6d. each.TREPHINES,
9d. each.MERIAM'S CROWN SAW,
9d. each.

DOOR PLATES.

Finest Brass and Skilful Workmanship. When ordering please state if Mahogany Block is required.

PRICES BELOW ARE FOR FLAT PLATES.

Size of Plate.	Engraved One Line.	Two Lines.	Mahogany Blocks.	
	£ s. d.	£ s. d.		s. d.
6 by 3	0 4 6	0 7 0	7 by 4	1 9
7 " 4	0 5 6	0 8 6	8 " 5	1 9
8 " 5	0 6 6	0 8 9	9 " 6	1 9
9 " 6	0 7 6	0 10 6	10 " 7	2 0
10 " 7	0 9 0	0 12 0	11 " 8	2 6
11 " 8	0 10 6	0 13 6	12 " 9	2 9
12 " 6	0 10 0	0 13 0	13 " 7	2 9
12 " 7	0 11 0	0 14 6	13 " 8	3 0
12 " 8	0 12 0	0 16 0	13 " 9	3 6
13 " 6	0 9 6	0 13 6	14 " 7	3 0
13 " 7	0 10 6	0 14 0	14 " 8	3 3
13 " 8	0 12 0	0 15 6	14 " 9	3 6
14 " 7	0 12 0	0 16 0	15 " 8	3 6
14 " 8	0 13 6	0 17 0	15 " 9	3 6
14 " 9	0 14 6	0 18 0	15½ " 9½	3 9
15 " 9	0 17 0	1 1 0	17 " 11	5 0
15 " 10	0 18 0	1 2 0	17 " 12	5 6
16 " 9	0 18 0	1 2 0	18 " 11	6 0
16 " 10	0 18 6	1 3 0	18 " 12	6 0
18 " 12	1 3 0	1 8 6	20 " 14	8 6
20 " 12	1 7 0	1 14 0	22 " 14	9 6

BELL PLATES.

Any size up to 3 ins. by 2 ins.

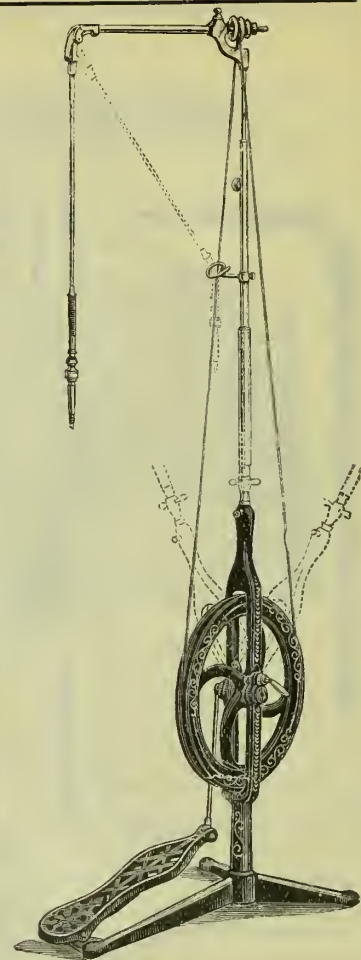
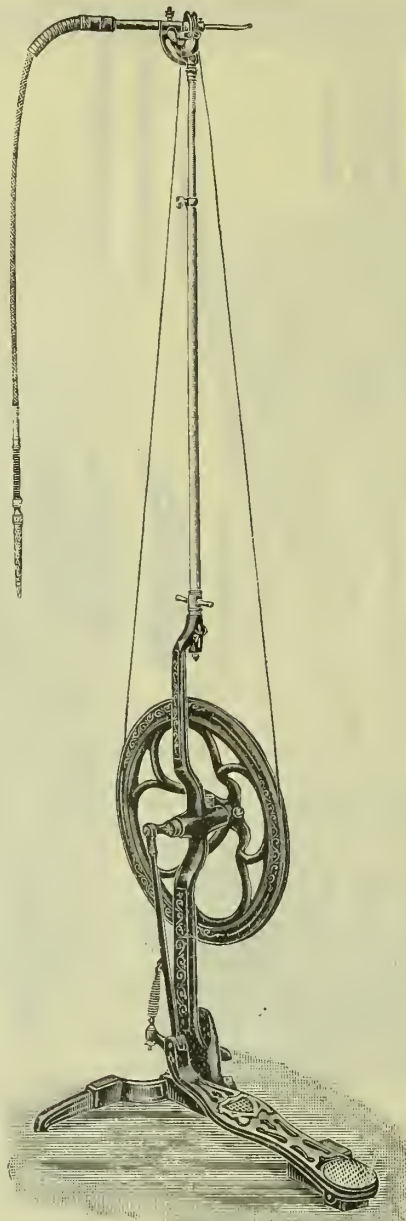
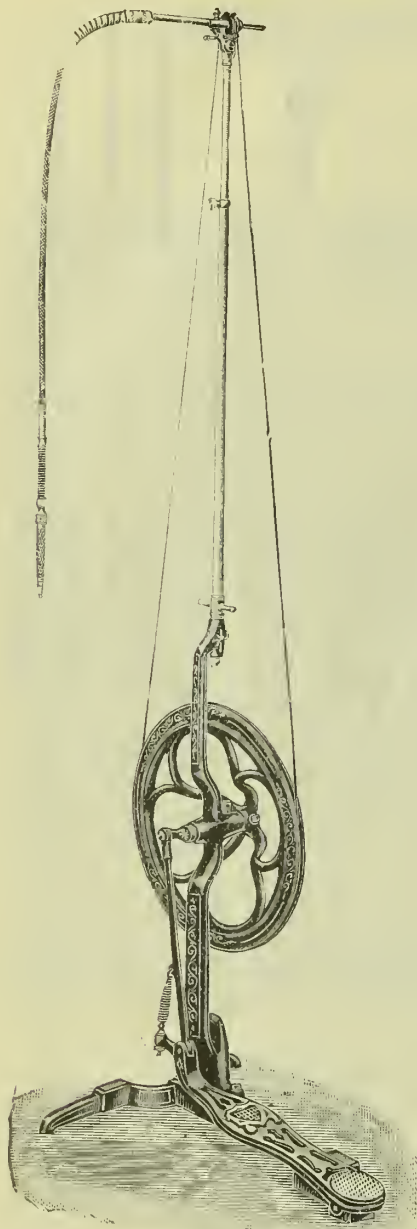
One Line, 2/-

Two Lines, 3/-

Ornamental Lettering extra
according to style and size.

25 per cent. extra for Curved.

ENGINES, HANDPIECES, &c.

**Parson Shaw Pattern Engine.**

With No. 4 Handpiece ... 90/-
 " " 7 ... 100/-
 " " Slip Joint, 10/- extra.

THE CHEAPEST ENGINE ON THE MARKET.

GOOD VALUE, GUARANTEED IN EVERY WAY.

With No. 4 Handpiece	...	...	...	60/-
" No. 7 "	...	...	...	70/-
" No. 7 and Slip Joint	...	...	...	80/-

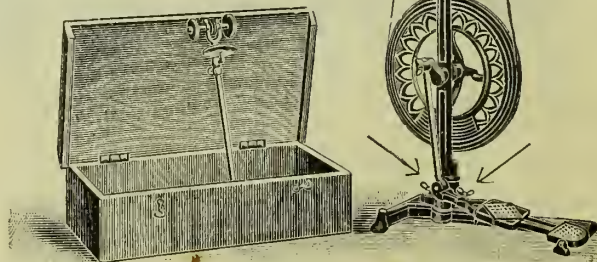
All with Flexible Wrist and Spiral Arm Support. Either pattern, same price.

Combination Engine.

CAN BE ADAPTED FOR LATHE INSTANTLY.

In box complete, very handy for travelling.

With No. 4 Handpiece	...	...	90/-
" No. 7 "	...	...	100/-
Slip Joint, extra, 10/-			



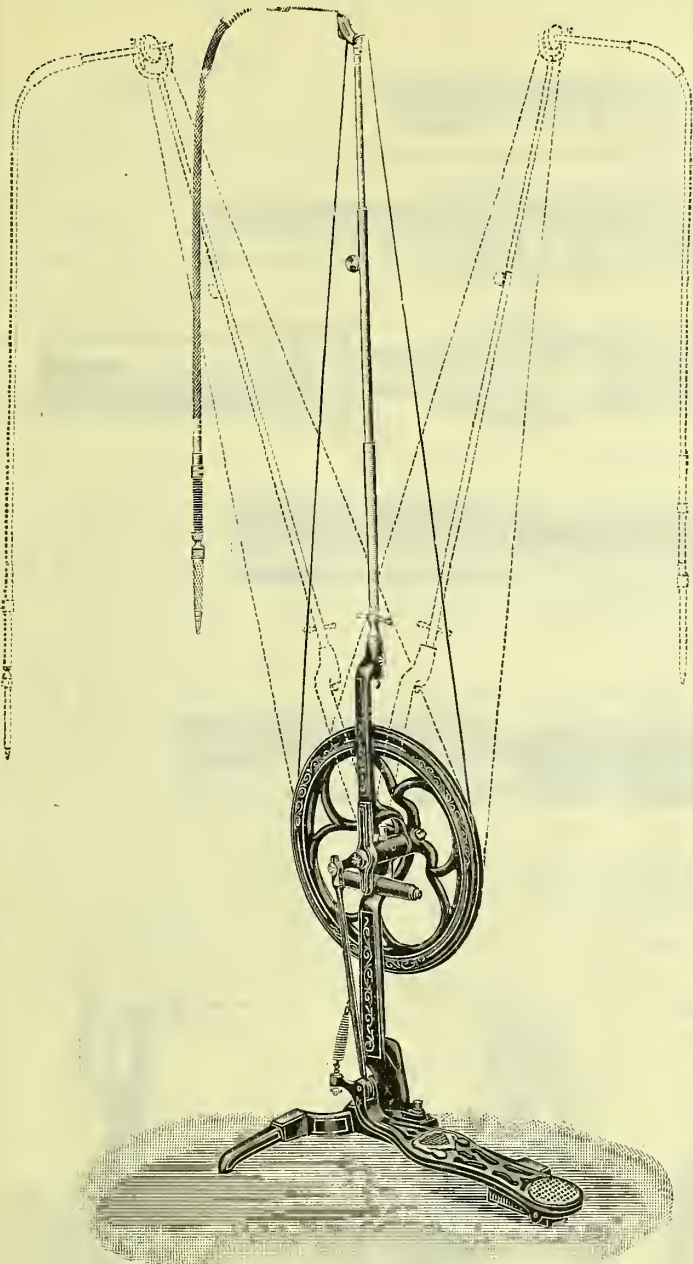
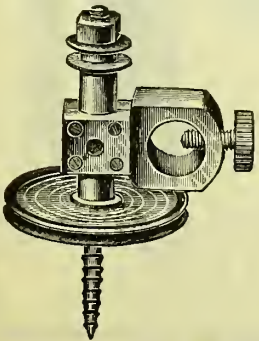


Illustration shows Movements of Uprights.

Side wheel Engine, with best quality Cable, Handpiece, and containing the latest shield, thus protecting the Spring.

Complete with No. 4 Handpiece	...	80/-
" " No. 7	...	90/-
" " No. 7 and Slip Joint	...	100/-
" " No. 4	...	90/-



Small Lathe.

to Screw on Engine, Upright.
Very Useful.
8/6 each.

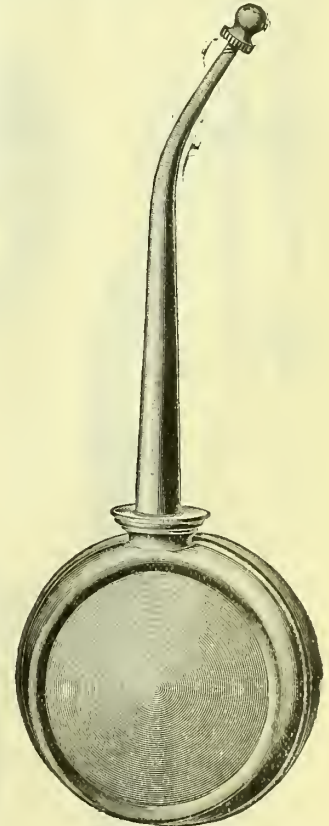
Sundries, &c., for Engines.

ENGINE ARMS, HANDPIECES, RIGHT ANGLES, &c.

Cables, best quality	...	...	2/6
" fitted	...	...	3/6
Sheaths (cotton covered)	...	...	2/6
Ratchet Head, with bearing each side of pulley	...	...	14/6
Engine Head, plain	...	...	10/6
Flexible Wrist, leather covered, with duplex inner spring	...	...	4/6
Wrist Springs, duplex	...	per doz.	8/6; 9d. each
" single	...	"	5/6; 6d. "
Elbow Springs	...	"	5/6; 6d. "
Nosepieces for No. 4 Handpiece	...	...	2/-
Arm Support, spiral, for Engine	...	...	4/-
Engine Arm, complete, with flexible wrist and No. 4 handpiece	...	from	30/-
No. 7 Arm	...	...	40/-
Cords for Engine	...	...	6d.
Flexible Cords	...	...	2/6
Oil Cans	...	...	6d.
Oil	...	...	per bottle 6d.
Holland Covers	...	...	2/-
Right Angle Attachment, No. 1, for No. 4 or No. 7	...	...	12/6
Right Angle Attachments, adapted, with ebony handle and slip joints	...	...	10/-
Engine Mallets, adapted to Nos. 1 or 2 slip joints	...	...	7/6
Handpieces, adapted to Nos. 1 or 2 slip joints	...	...	7/6



Arm Support, Spiral.



Oil Can.

HANDPIECES, &c.

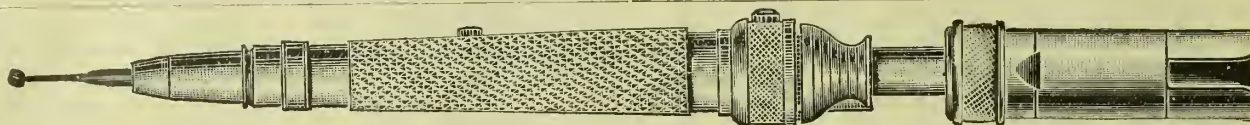


The Monarch Universal Handpiece, Prices:

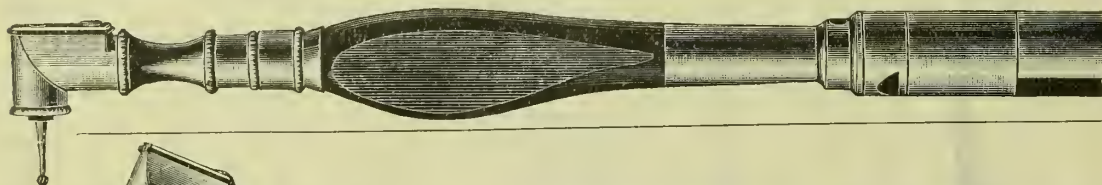
Slip Joint	...	...	30/-
Nos. 4 and 7 Handpiece			27/6



No. 4 Improved Handpiece, Price, 12/6.



No. 7. Handpiece for No. 2 Slip Joint. Price, 21/-



No. 2. R. A. For Slip Joint. Black handle, 21/- Ivory handle, 25/-



Contra Angle for No. 2 Slip Joint, 25/-

HANDPIECES.—Angle Handpieces.

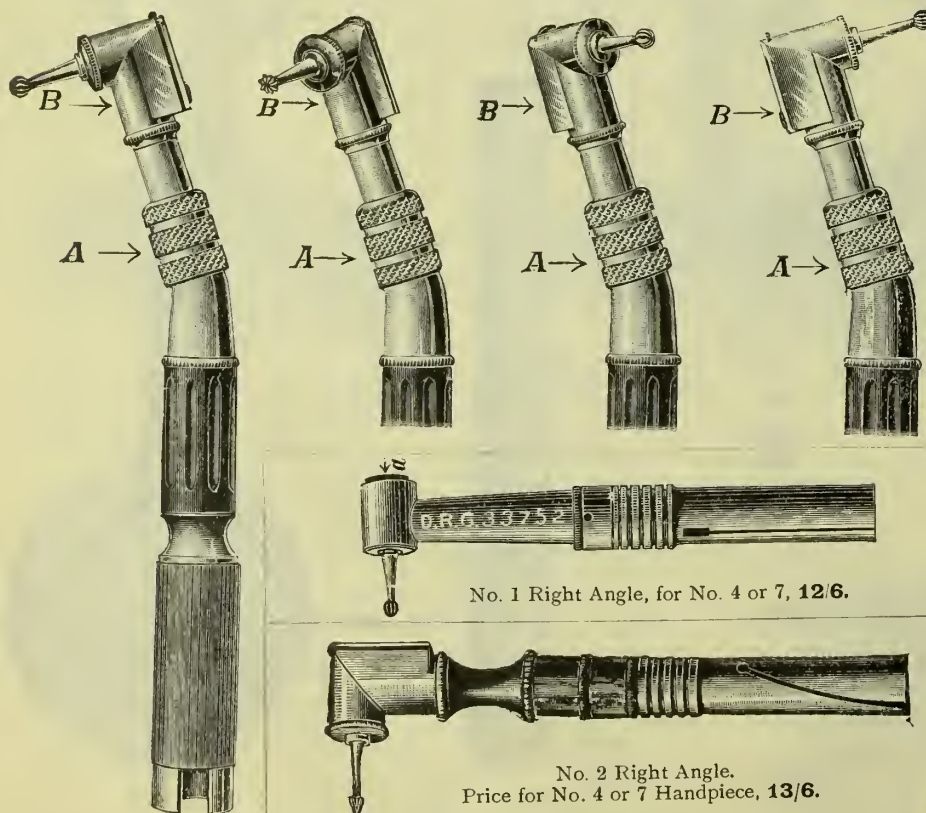
The illustrations below show the handpieces in four different positions.

(B) The head, revolves to any angle.

(A) Is the collar which sets same in desired angle.

No. 2 Slip Joint ... 30/-

Prices: For Nos. 4 and 7 ... 27/6



Right Angle No. 2 Handpiece.



Price for No. 7 Handpiece, 13/6.

MASSAGE ENGINE.

COMPLETE WITH ENGINE ARM.

Although almost identical in form with the Dental Engines in general use, this Engine in, accordance with the purpose for which it is intended, is constructed much more powerfully in all its parts.

The complete Engine for Foot-Driving consists of the Base (1) with upright rod and the Flexible Engine Arm (2) with Pulley.

The Flexible Engine Arm is only for Electrical Power. It is directly joined to the Motor; thus the Standard with the Foot-Driving Parts is not required.

As indicated by the name, this Engine is destined chiefly to serve for Massage, and for this purpose the Handpiece is provided with an Ebonite Cone (3). But, in virtue of its exceptionally strong construction, this Engine can also be used for all kinds of technical work, for which purpose we supply a special Attachment to take different technical tools, such as circular files, &c.

This Engine can further be used for various surgical and veterinary operations and ostiologial work.

Vibratory Massage Apparatus for Dental Purposes.

"PRIMUS."

Patent applied for.

The extraordinary development of Dental Science in the last decade or so, has widened the field of the Dentist to a degree which could hardly have been conceived a few years ago. But to-day there is hardly any Therapeutic treatment in medical science which is not also applied in Dentistry; thus massage has lately been often resorted to by Dentists with great success. The simple hand massage hitherto in use being in many cases inadequate, eminent members of the Dental profession have often expressed the desire to have a suitable massage instrument to be used in connection with the Dental Engine.

Following this suggestion, we have constructed a Vibratory Massage Instrument which can be attached to the Engine Arm exactly in the same way as the Handpieces and Angle Attachments. As shown by the illustration, the apparatus is constructed according to the law of centrifugal motion; there is a weight in the drum which slides sideways (see illustration below) and when rotating, causes the centrifugal motion. This is transmitted through the Attachment to the affected part. The nut serves for fixing the movable weight.

In order to regulate the motion exactly, the weight has a scale and hand which enables the arrangement of any required strength of blow and a record for subsequent treatment. Each Apparatus has nickel-plated steel attachments which can be exchanged and sterilized. Their shape is such that the upper or lower jaws can be easily reached. The Attachment has two prongs which hold cotton wool for sensitive patients.

All parts are made very exactly and the durability of the instrument is exceedingly great.

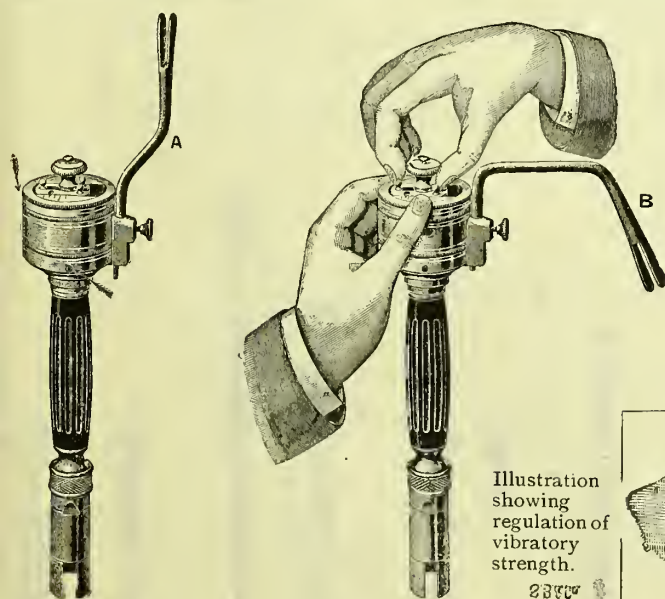
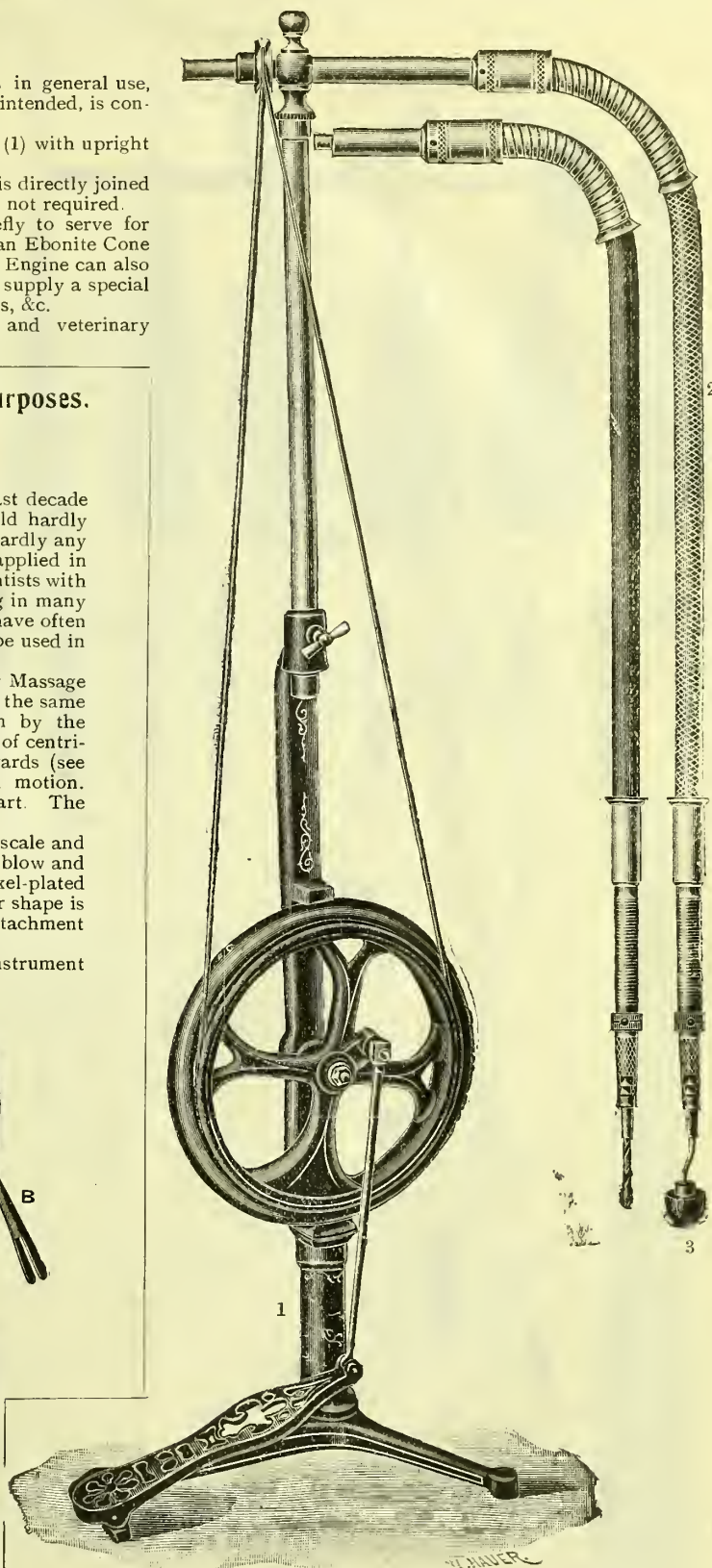


Illustration showing regulation of vibratory strength.

For Slip-Joint No. 2.

Each instrument is supplied in polished wooden case with two attachments (A for upper jaw, B for lower jaw).

For Slip-Joint No. 2	...	32/-
For Handpiece No. 4	...	27/-
For Handpiece No. 7	...	27/-



Complete Engine without attachments	...	105/-
Engine Arm alone fitting the base	...	70/-
Base with upright rod alone...	...	55/-
Engine Arm for electric motor	...	50/-
Ebonite Cone for massage	...	7/6
Attachment to take technical tools	...	4/6

ENGINE MANDRELS, &c.

The "Maxfield" Disc Carrier.



Price 1/6 each.

DIRECTIONS FOR USING.

To place a disc on the Mandrel, pull out the Pin by taking hold of the head (if *very* stiff, use something between the pin-head and the Mandrel) insert the Pin through the disc, and with a firm quick push, force the Pin back into the Mandrel.

To remove the disc, fold the disc over the head catch between thumb and finger and pull out all—in a flash.

The Pin is held in the Mandrel by friction, and this can be increased by slightly bending the Pin, or diminished by straightening the Pin; by this means the Pin can be made to hold as tight as desired.

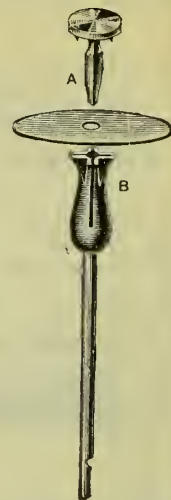
Paper-Disc Carrier.

This Mandrel is the best of all existing constructions by virtue of its great ease in handling and its durability.

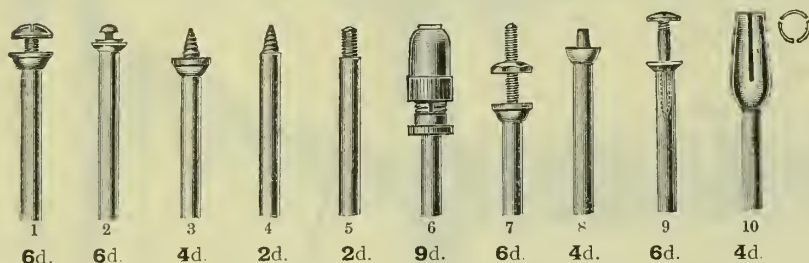
The fastening of the Paper-Disc is effected by pressing the Pin (Fig. A) into the tulip-shaped Head (Fig. B) of the Shaft. The Paper-Disc is removed by simply pulling the Pin out.

The instrument is made of the best steel, highly polished and nickel-plated.

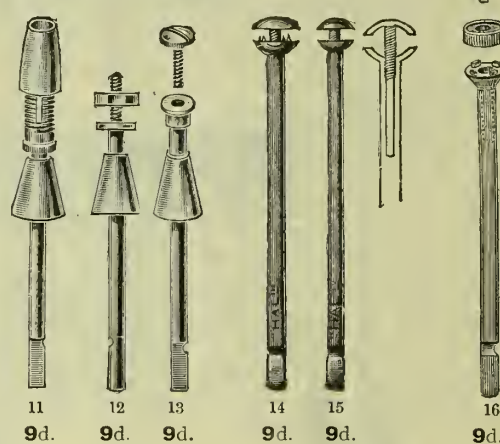
1/3 each.



Engine Mandrels, &c. (Various), all latest shapes.



1 2 3 4 5 6 7 8 9 10
6d. 6d. 4d. 2d. 2d. 9d. 6d. 4d. 6d. 4d.

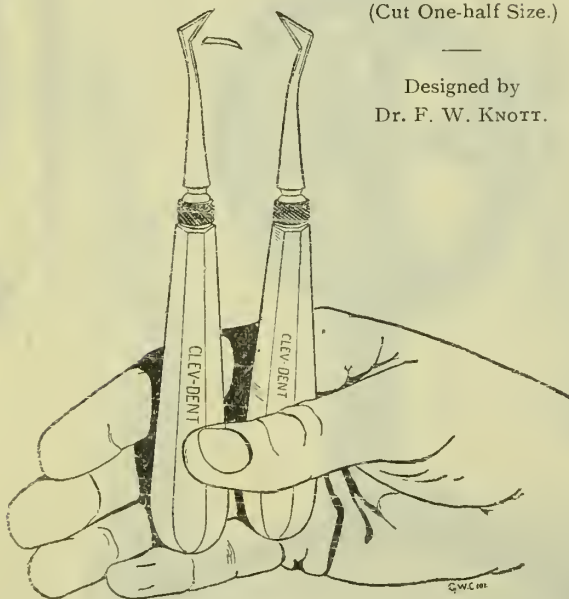


11 12 13 14 15 16
9d. 9d. 9d. 9d. 9d. 9d.

Knott Elevators.

(Cut One-half Size.)

Designed by
Dr. F. W. KNOTT.



For Extracting roots no other instruments equal the Knott Elevators. They work with the curve of the root and make it come easy. Most elevators work against the natural curve and make the root come hard.

There are two of them, right and left. They come mounted in large octagon ebony handles, especially designed to afford a good grip and prevent turning.

To extract roots push elevator between root and adjacent tooth with flat side next to root. Press handle down and lift root out.

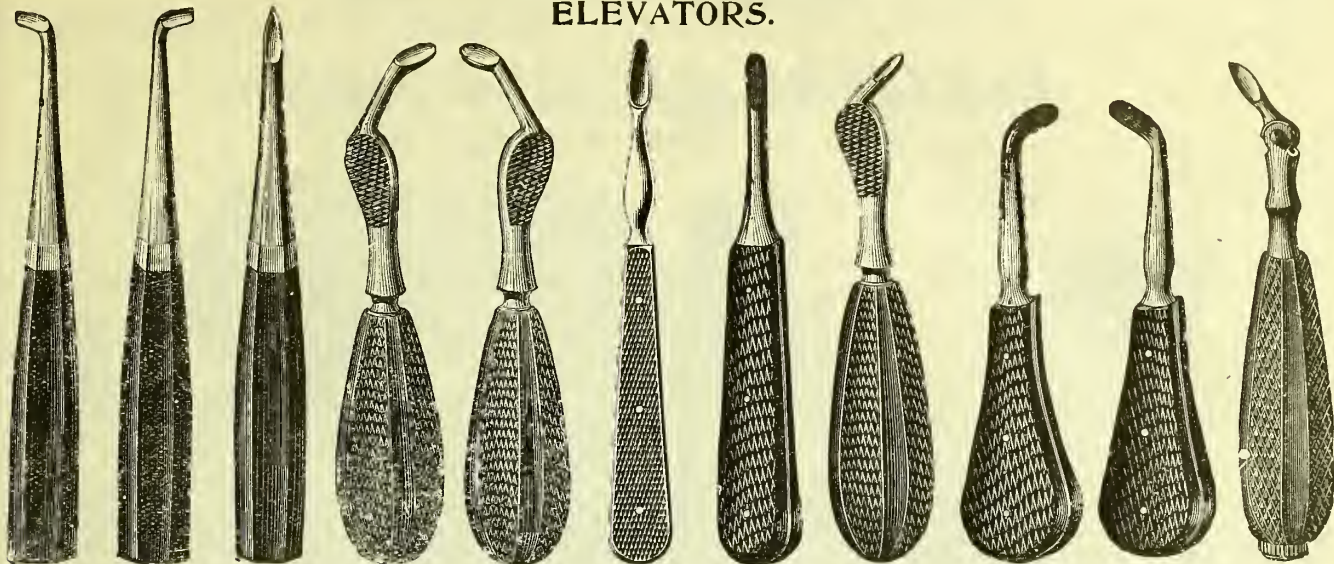
Price: Mounted in large Ebony Handles, 3/- each.

ALL SHAPES AND MAKES
NOT SHOWN HERE TO ORDER.



17 18 19 20 21
6d. 1/3 1/3 9d. 1/3

ELEVATORS.



Figs. 1, 2 and 2a
Straight,
Right and Left,
3/6 each.

3
Right and Left,
4/-
each.

5
Straight,
3/6
each.

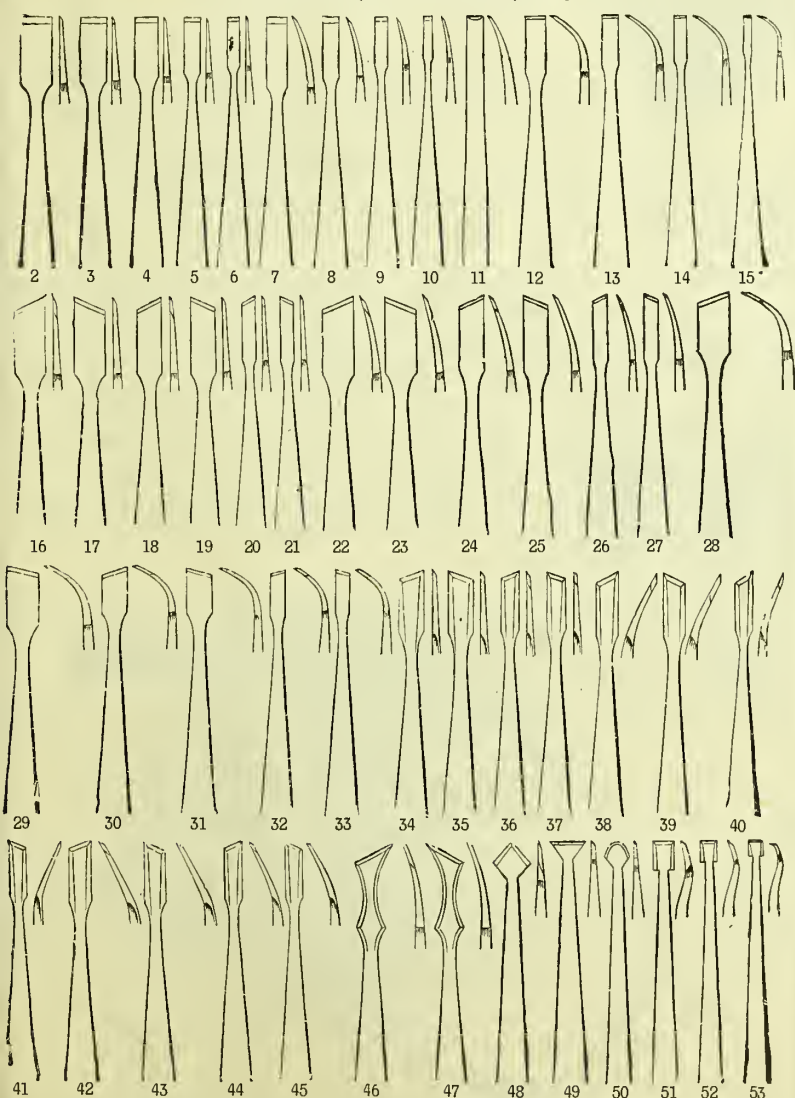
6
Read's
Pattern,
4/-

7
Right and Left,
4/-
each.

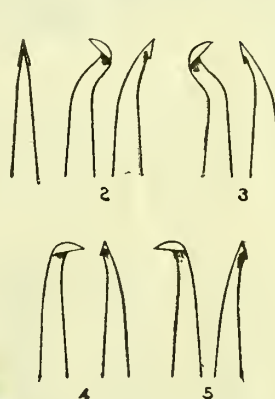
Hospital Patterns,
Right and Left,
4/-
each.

Adjustable,
in
Ebony Handle
7/6

ENAMEL CHISELS.



Best Quality English.—Plain Octagon Handles, 10d. each.
Ball End, File Cut Handle, 1/- each. Nickel-Plated, 1/-

Dr. S. Marshall Weaver's
Enamel Cleavers.

No. 1 is a universal, especially adapted for the Buccal and Lingual sides of Bicuspids and Molars.

Nos. 2 and 3 are rights and lefts used on posterior teeth.

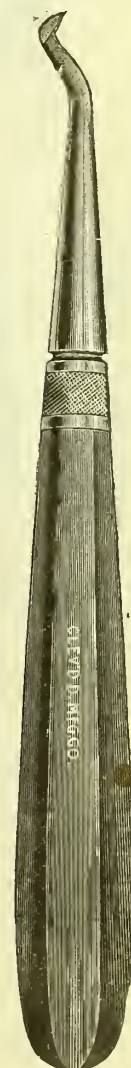
Nos. 4 and 5 are rights and lefts, used on the anterior teeth, and are very useful in removing calcarious deposits.

In the construction of these Instruments only the best steel is used, and great skill is exercised in producing the proper curve, as this is the main feature of them.

The shape and size of handle affords great leverage and keep the instrument from turning in the hand.

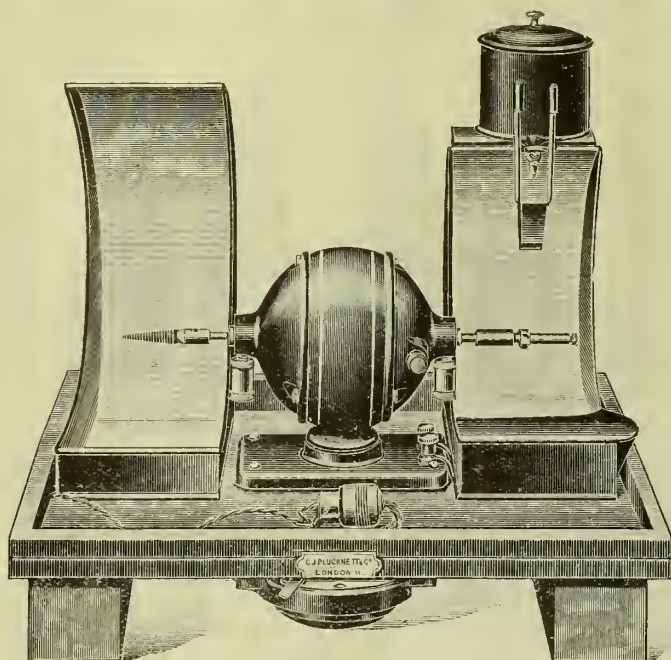
PRICES:

Per Set	...	15/-
Each	...	3/-



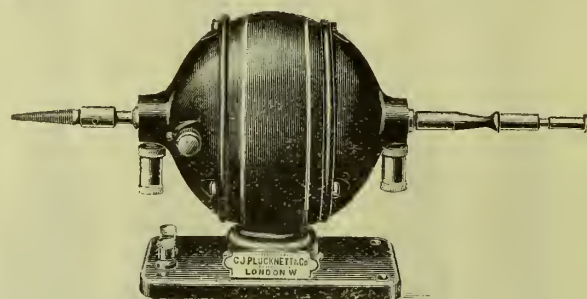
ELECTRICAL SECTION.

Ask also for Electrical Catalogue.



OUTFIT Nos. 1, 2, 3, 4.

Delivered ready to fit in wall or lamp socket.
P.C.L. Motor Outfit. Continuous or Alternating Current.
Stock Voltages 100v. to 250v. Direct.
100v. to 250v. 50—60 Cycles Alternating.



Motor as supplied in Outfit, furnished with Spindles as shewn. May be used without Rheostat. The Rheostat gives various speeds.

Prices as under.

DIRECT CURRENT, 100/250 volts.
Shunt wound.

		R.P.M. about	Price
No. 1a.	$\frac{1}{20}$ h.p. ..	2,000 ..	47/-
„ 1.	$\frac{1}{10}$ h.p. ..	2,000 ..	67/-
„ 2.	$\frac{1}{8}$ h.p. ..	2,000 ..	112/-

ALTERNATING CURRENT.

		R.P.M. about	Price
No. 3.		1,700 ..	67/-
„ 4.		1,700 ..	79/-

- No. 1.—Outfit contains Motor 1/10th H.P. totally enclosed, shunt wound, fitted with two taper brush chucks, or one brush chuck and one carborundum wheel chuck, the above mounted on portable bench 20 ins. by 14 ins., fitted with a three speed Rheostat, two hoods, length of flexible cord and adaptor, all ready for use—as illustration. Price **£4 10/-**
- No. 2.—Outfit as illustrated, but 1/6th H.P. Motor. Size of bench 24 ins. by 16 ins., suitable for brushes up to 4 ins., or buffs up to 6 ins. diameter with 6 in. taper brush spindles. Price **£6 10/-**
- No. 3.—Outfit for alternating current. Repulsion type motor 1/10th H.P., totally enclosed, fitted up as illustration, size of bench 20 ins. by 14 ins., with six speed Rheostat complete. Price **£4 15/-**
- No. 3A.—Same size outfit as No. 3 Outfit *without* starter. Price **£4 2/-**
- No. 4.—Outfit for alternating current. Repulsion type motor 1/6th H.P., totally enclosed, fitted up as illustration, size of bench 24 ins. by 16 ins., with six speed starter complete. Price **£5 12/6**
- No. 4A.—Same as No. 4 Outfit, without starter. Price **£4 14/6**
- Drill Chucks, capacity $0-\frac{1}{8}$ in. fitted to any of the above motors at an extra cost of 6/- Ditto capacity $0-\frac{3}{16}$ ths. Price **7/6**
- Polishing Sundries, suitable for outfits Nos. 1 and 4, containing one each hard and soft polishing brushes, one wool wheel buff, one wool inside mop, one calico and one swansdown buff, tripoli, rouge composition, rouge powder. Set complete, Price **5/-**
- Flexible drilling shafts suitable for 1/10th H.P. motor as on outfits Nos. 1 and 4, fitted with drill chuck on ball, capacity $0-\frac{1}{8}$ bearings, handpiece beautifully finished in all details, they have already supplied a long felt want, suitable for metal workers, wood carvers, engineers, etc., etc. Price complete **£1 12 6**
- Flexible drilling shafts suitable for 1/7th H.P. motor or outfit No. 2, fitted with independent drill chuck, capacity $0-\frac{1}{4}$ in. with ball race hand piece. Price **£2**
- Flexible drilling shafts suitable for 1/4th H.P. motor with drill chuck capacity $0-\frac{5}{16}$. Price **£2 10/-**
- Polishing Outfits for motor No. 2, the same as above only larger brushes and mops, etc. Price **7/6**

Columbia Electric Laboratory Lathe.

LATEST MODEL.



The Columbia Electric Laboratory Lathe is the greatest modern electric appliance for use in the dental laboratory. The acme of perfection for crown and bridge workers, it increases the capacity of the laboratory to such an extent that it soon pays for itself.

General Construction.—The chucks carrying carborundum wheels are placed directly on the end of the shaft. The chucks have a slightly tapering hole, and the shaft bears a tapering end to correspond. To put a chuck on, place it over the shaft and give it a slight tap with the hand. The knurled nuts seen on the end of the bearings are for the purpose of forcing the chucks off the shaft, by giving them a few turns forward. The graduated knob on the front of the lathe controls the four speeds, each one being indicated. It has long ago passed through all experimental stages, and now embodies the latest and best construction known to electrical science.

PRICES:

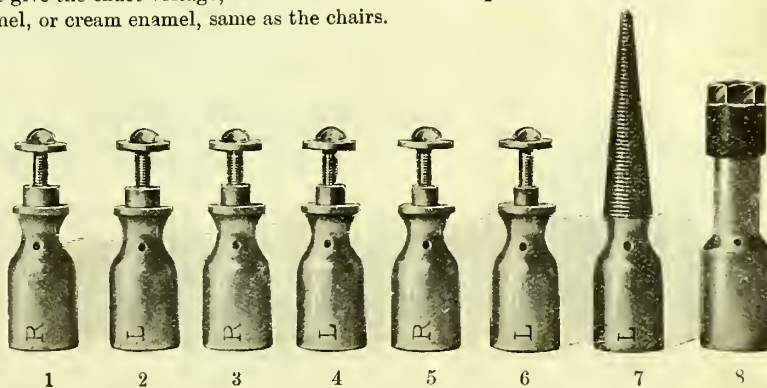
	£	s.	d.
Lathe for direct current, between 100 and 200 volts, including seven chucks and one burr chuck	9	3	0
Same, for direct current, between 200 and 250 volts	10	8	0
Same, for 4—6 volt battery	9	3	0
Same, for alternating current, any voltage not exceeding 125 volts	12	10	0
Same, for alternating current, for voltage between 125 and 250	13	10	0

Always give the exact voltage, and for alternating current give the exact voltage, and number of alterations per minute of the current. Columbia Lathes are furnished in black enamel, blue enamel, or cream enamel, same as the chairs.

CHUCKS FOR COLUMBIA LATHES

These eight chucks are regularly supplied with our Lathe without extra charge. They are sold separately at the following prices:—

Nos. 1, 2, 3, 4, 5 and 6	1/6 each.
Chuck No. 7	4/-
„ „ 8	10/-

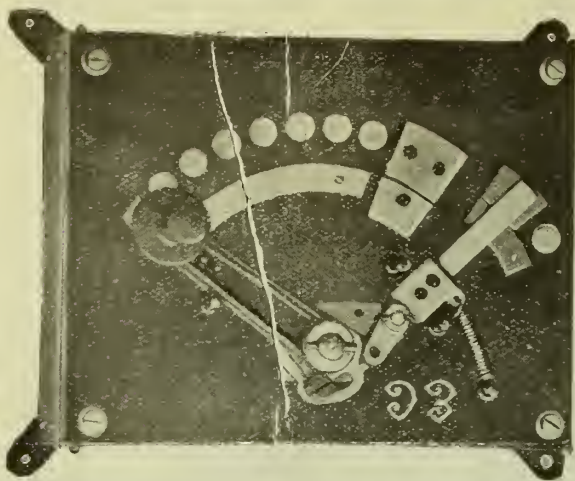


Hand Piece Attachment for Laboratory Lathe.

This attachment is made to be fixed on the Lathe in the same manner as an ordinary chuck. For finishing a piece of plate work, for touching up an articulation, for grinding up teeth for bridge work, or for any similar work, this attachment will be found most useful.

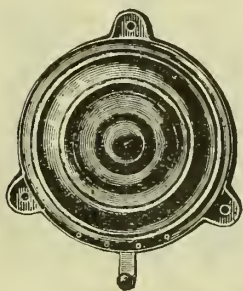
	£	s.	d.
Price of the Attachment with cable and sleeve	1	7	0
Attachment without cable and sleeve	0	14	0

DIRECT CURRENT MOTOR STARTERS



B Type Starter, with Maximum and Minimum Release, £2 17s. 6d. For Motors up to 1/2 H.P.

Horse-power.	Voltage.	OPEN TYPE.		SEMI-ENCLOSED TYPE.	
		No-volt Release.	No-volt and Overload Release.	No-volt Release.	No-volt and Overload Release.
1/2 1 & 2	100-250	£ s. d. 0 18 0	£ s. d. 1 12 6	£ s. d. 1 2 6	£ s. d. 1 16 6
	400-500	1 1 6	1 13 0	1 8 0	1 16 6
	100-500	1 1 6	1 13 0	1 8 0	1 16 6



Regulating Rheostat or Motor Starter

CC 110 Volts, 10/6; 220 Volts, 10/6

May be used for Motors $\frac{1}{10}$ to $\frac{1}{6}$, $\frac{1}{8}$ & $\frac{1}{4}$ h.p. cc.

Can be supplied also for Alternating Current,
22/- each.

CHEAP TYPE ELECTRIC DENTAL ENGINE

USED ALSO BY CHIROPODISTS, METAL WORKERS AND MANY OTHER TRADES.

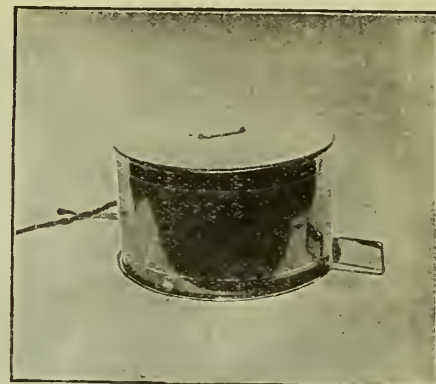
Complete with cable arm, flexible wrist, No. 4 hand-piece, speed regulator, flexible wire and plug.

100 to 110 Volts, price £5 0 0

200 to 230 ,, ,, ... 5 10 0

Supplied in Direct Current only. Has three-speed Starter.

A reliable motor with all the latest improvements. Can be attached to bracket in any position. Price quoted includes all required, ready to fit in wall plug or lamp socket.

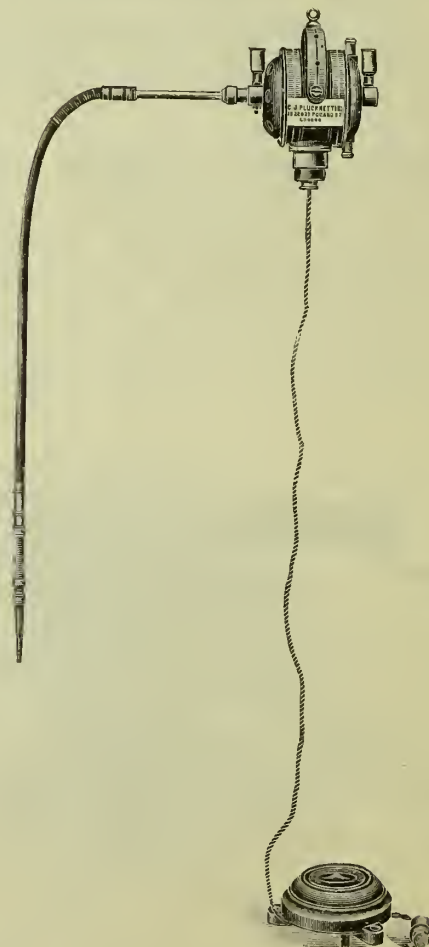


The FOOT CONTROLLER

Has Three Speeds. Reversible.
Instantaneous Stop. For Engines.

(English Manufacture)

100 to 110 Volts £2 8 0
200 to 220 ,, ... 2 8 0



RITTER COLUMBIA ELECTRIC ENGINES

Columbia Engine,
Suspended Type.

Flexible Cable Transmission.

PRICES :

No. 1.—Direct current, between 110 and 200 volts, including motor, controller, bracket, suspension cord, and flexible cable and sleeve ..	£	s.	d.
	22	18	0
No. 3.—The same, direct current, for any voltage between 200 and 250 (give exact voltage when ordering) ..	24	3	0
No. 5.—The same, for 4-6 volt battery current	21	17	0
No. 2.—Alternating current, between 110 and 200 volts	26	0	0
No. 4.—The same, for any alternating current between 200 and 250 volts ..	27	2	0

Always give the exact voltage, and if alternating current, give the exact voltage and the number of alternations per minute of the current.

Gauze Brushes for direct current 2/- per pair

Carbon Brushes for alternating current .. 1/- ,,

In ordering brushes, always give the serial number of the engine, the voltage, and state if alternating current or direct.

The above Prices do not include Handpiece.



FOOT CONTROLLER.

We very strongly recommend the controller with free pedal. With this pedal the operator has a far more effective control of the Engines than with a stop pedal.



The motor is suspended by the conducting cord, and balanced by counter-weight.

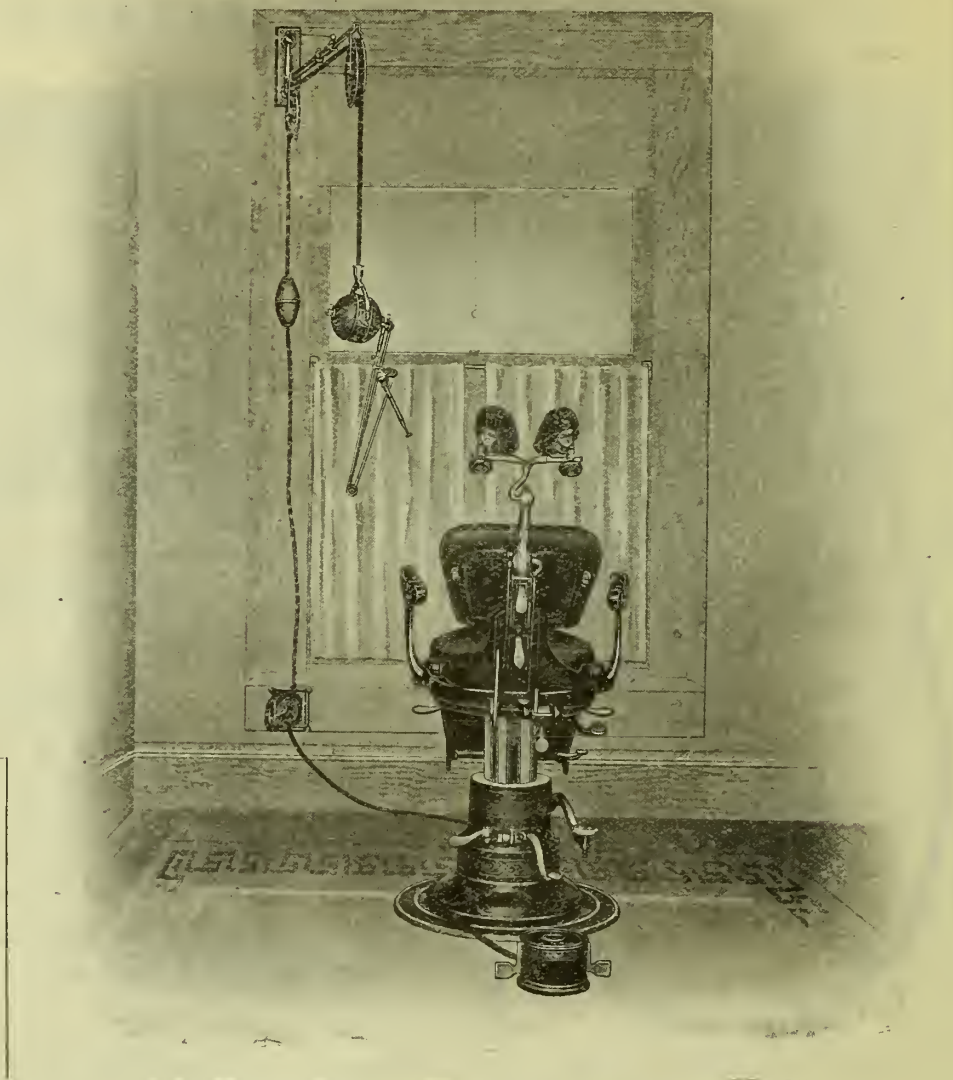
(See page 70 for method of suspension)

THE method of suspension of this motor has been recognised for a long time as being the most practical, and we particularly recommend this. Concerning the transmission of the power, this is a question of taste. The flexible cable transmission is probably more used than the all-cord, and those who favour it say that the hand-piece is more easily handled, and does not threaten the moustache or beard of the operator, as is the case, so they say, with the Doriot hand-piece and its cord and pulleys. While there may be some truth in this, we think, however, that once a dentist got used to the cord transmission he would not think of going back to the cable transmission. Mechanically speaking, the all-cord transmission is certainly very superior to the cable transmission.

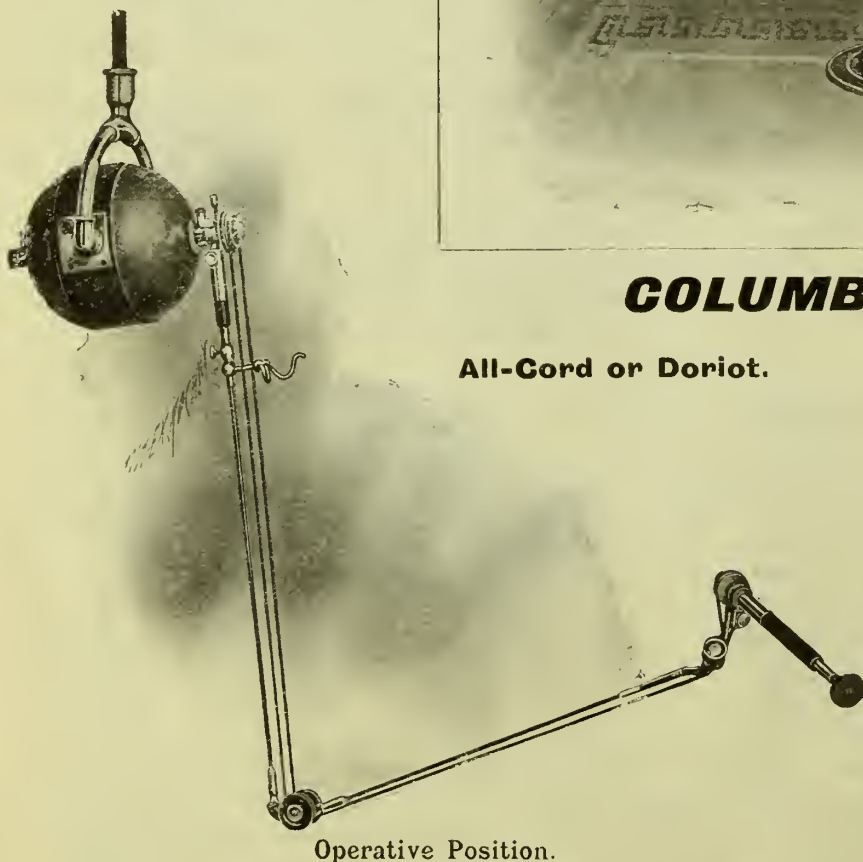
COLUMBIA ENGINE . . .

Doriot Type.

This illustration is to show method
of suspension of all types of Ritter
Columbia Engines.



Suspension Type.



All-Cord or Doriot.

COLUMBIA ENGINE.

	£	s.
No. 11. Direct current, between 110 and 200 volts, including motor, controller, bracket, suspension cord, arm and belt	25	0
No. 13. Same, for 4-6 volt storage battery	25	0
No. 15. Same, for any direct current between 200 and 250 volts (give exact vltge.)	26	5
No. 10. Alternating current, between 110 and 200 volts	27	2
No. 12. Same, for any alternating current, between 200 and 250 volts ...	28	2
Always give the exact voltage, and if altern- ating current, give exact voltage and number of alternations per minute of the current		
Cord, No. 9, for above type	0	1
The above prices do not include Handpiece.		

DENTAL ENGINES.



Arnold Biber's

SUSPENSION TYPE **CABLE ENGINE**

Two years' guarantee.

Prices :

110 Volts, Direct Current ..	£23
200-50 „ „ „ ...	24
Alternating Current ...	25

The above prices include No. 7 Handpiece and No. 2 Slip joint. Substituting Doriot Handpiece for No. 7 Handpiece adds 10/- to the Engine.

Kindly state Voltage and Periodicity.

Arnold
Biber's

SUSPENSION ENGINE

With "All Cord Arm."

This Engine is practically identical with the Engine illustrated above, with the exception that it is supplied with an "All Cord Arm." It would be difficult to imagine an Engine with more graceful lines. It would be a physical impossibility to produce an Engine that would be more practical in use. It leaves nothing to be desired.

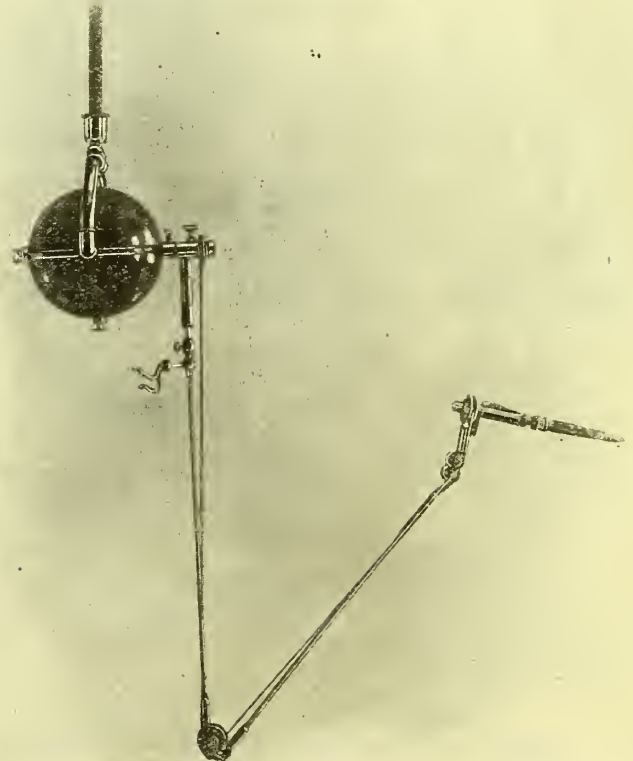
Two years' guarantee.

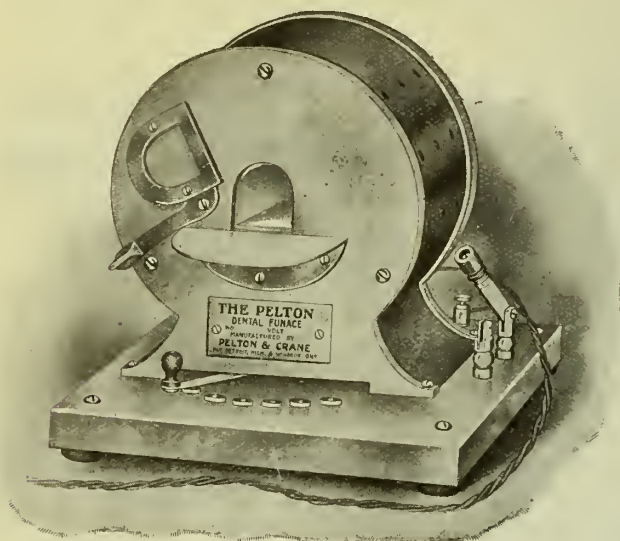
We would like specially to mention that BIBER'S ENGINE is delivered COMPLETE to your door. There are no EXTRAS to purchase.

Prices :

110 Volts, Direct Current ...	£23
200-50 „ „ „ ...	24
Alternating Current ...	25

The above prices include No. 7 Handpiece and No. 2 Slip Joint. Substituting Doriot Handpiece for No. 7 Handpiece adds 10/- to the Engine. Kindly state Voltage and Periodicity.





No. 1. DENTAL FURNACE.

Muffle, $1\frac{1}{8}$ in. wide, 1 in. high, $2\frac{1}{2}$ in. deep.

THE "PELTON" ELECTRIC FURNACE.

The Pelton Furnace will fuse the lowest and highest fusing porcelain, will heat up quickly without danger of burning out, and it will maintain an even temperature throughout the muffle.

Prices:

No. 1 FURNACE. INLAY, CROWN, AND BRIDGE SIZE.

	£	s.	d.
For 100-250 Volts	9	11	8
For 52-100 or 125-250 Volts	11	5	0
For 250-500 Volts (with reducer)	12	14	2

No. 2 FURNACE. CONTINUOUS GUM SIZE.

For 100-125 Volts	14	11	8
For 52-100 or 125-250 Volts	16	5	0
For 250-500 Volts	17	14	2

A New ELECTRIC FURNACE

Call and Inspect in action.

Highest in Efficiency.

Perfection of Simplicity.

Any Voltage.

Lowest in Cost.

And a Pleasure to work with.

Remodelled and improved, it is now far and away the best and cheapest Electric Furnace on the market. It is most carefully wound by a new process, and while no Furnace made is free from liability to burn out owing to the very high temperatures to which it is subjected during use, this is reduced to a minimum.

It will fuse easily and quickly any of the various inlay bodies (high or low fusing) in use at present. The heat being uniform from back to front a perfect fusing is the result. It can be operated on any current by simply inserting the plug into a lamp socket or main.

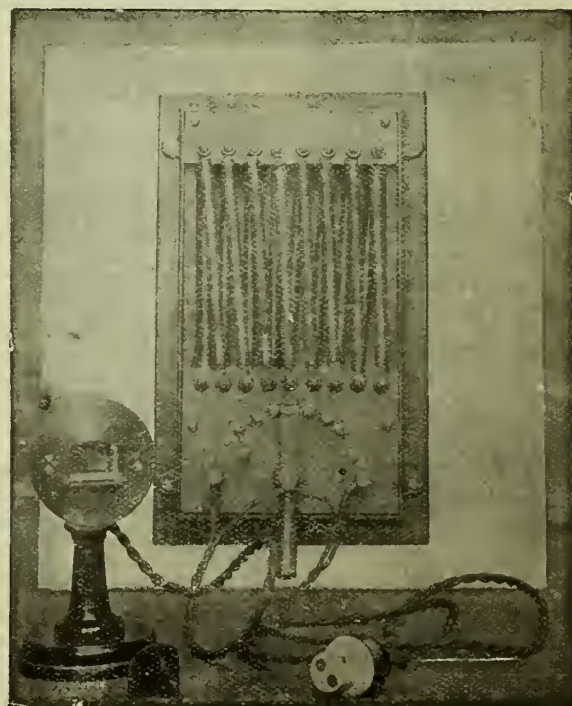
It takes up little space, and causes no dust and no fumes, and is a most important adjunct to the workroom.

Prices:

SIZE A.—Muffle, 2 in. by $1\frac{3}{8}$ in. by 1 in. Height on Stand, $6\frac{1}{2}$ in. Complete with Resistance.	£	s.	d.
Low Fusing	2	5	0
SIZE B.—Muffle, $2\frac{3}{8}$ in. by $1\frac{3}{4}$ in. by $1\frac{3}{8}$ in. Complete with Resistance.	2	15	0
Low Fusing	3	5	0
High Fusing	3	5	0
SIZE C.—Muffle, $3\frac{5}{8}$ in. by 3 in. by $1\frac{3}{4}$ in. Complete with Resistance.	6	10	0
Low Fusing	7	10	0
High Fusing	7	10	0

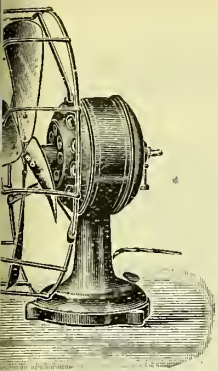
The same Resistance does for either Furnace. State voltage when ordering. Full instructions accompany each furnace. Without Resistance, 25/- less.

We also Stock other makes of Furnaces.

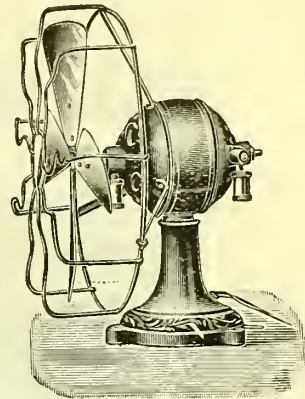


ELECTRIC FANS

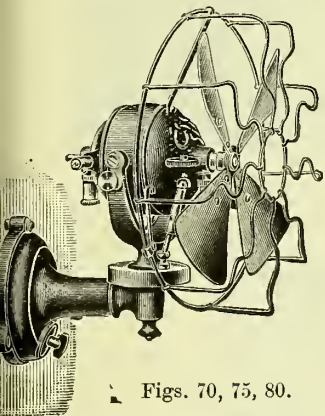
For Alternating and Direct Currents.

Figs. 54 and 55.
For Direct Current.

TYPES	Diam. inch.	For Direct Current.			For Alternating Current Singlephase.						
					With brushes and commutator.				Induction type.		
		R. P. M. about	Current con- sump- tion watts about	Price : 100—220 volts. S.	Net w'ght. lbs.	R. P. M. about	Current con- sump- tion watts about	Price : 100—150 volts. S.	R. P. M. about	Current con- sump- tion watts about	Price : 100—220 volts. S. -
51	10	1400	20	31/-	7½	1400	25	33/-	—	—	—
55	12	1450	45	41/-	13	1370	55	48/-	1400	65	53/-
60	16	1300	85	59/-	—	—	—	—	1400	110	68/-

FIG. 60.
For Alternating Current.

New Type of Swivel and Trunnion Desk and Bracket "Oscillating" Fan.



Figs. 70, 75, 80.

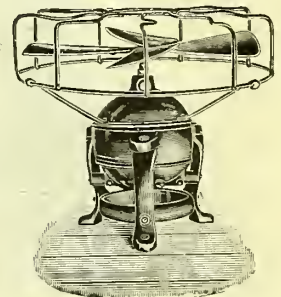
transform our "Oscillating" fan desk into bracket type, loosen the clamping screws in the base of the fan, lift the motor and fix the special bracket between same and base.

TYPES	Blades	R.P.M. about	Watt con- sump- tion about		Voltages		
					From 100 up to 150	Lower or Higher up to 250	
70	—	—	—	Direct Current	92/-	102/-	Made only for periodicities from 25 to 60 cycles (Speed given at 50 cycles Prices are for periodicities from 40 to 60 cycles (a) Higher periodicities up to 100 cycles, 11/- extra (b) Higher periodicities up to 100 cycles, 4/- extra
75	—	—	—	Alternating Current (brush and commutator motor).	96/-	108/-	
—	12 in.	1400	45				
80	—	—	—	Alternating Current (induc- tion motor)	105/- A	114/- B	

Figs. 70, 75, 80. Extra price for special joint ... 4/6.

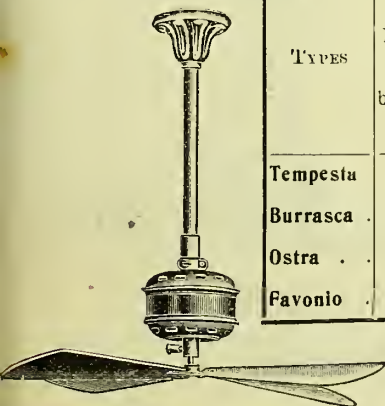
CEILING FANS.

TYPES	Diam.	For Direct Current.				For Alternating Current Singlephase.							
		Net w'ght.	R.P.M.	Current con- sump- tion watts	Price : 100—150 volts	With brushes and commutator				Induction type			
						Net w'ght.	R.P.M.	Current con- sump- tion watts	Price for 100—150 volts	Net w'ght.	R.P.M.	Current con- sump- tion watts	Price
inch.	lbs.	about	about	S.	lbs.	about	about	S.	lbs.	about	about	S.	
Monsoon	12	12	1450	45	44/-	12	1370	55	47/6	17	1400	65	54 6



MONSOON.

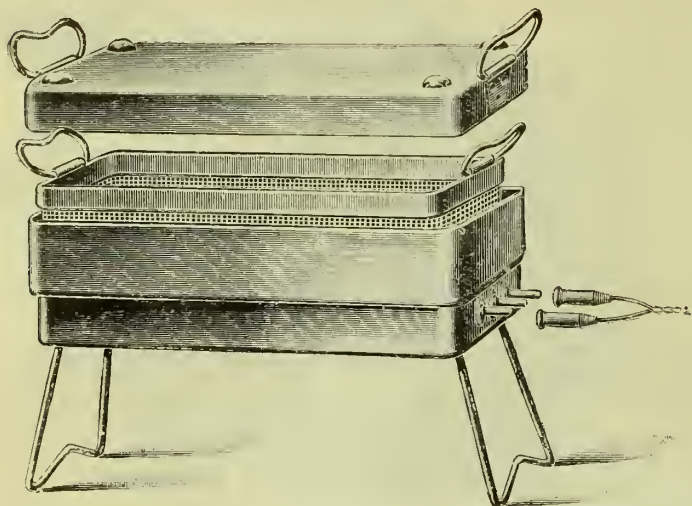
TEMPESTA.



TYPES	Num- ber of blades	Diam. inch.	For Direct Current				For Alternating Current							
			Net w'ght. lbs.	R.P.M. about	Current con- sump- tion watts about	Price for 100—150 volts S.	Singlephase				Threephase			
							Net w'ght. lbs.	R.P.M. about	Current con- sump- tion watts about	Price for 100—150 volts S.	Net w'ght. lbs.	R.P.M. about	Current con- sump- tion watts about	Price for 100—150 volts S.
Tempesta	4	24	20	700	40	62/-	21	620	75	80/-	21	650	45	72/-
Burrasca	4	32	26	580	55	70/-	30	550	160	90/-	30	650	85	81/-
Ostra	2	36	20	520	50	59/-	21	600	75	77/-	21	650	45	76/-
Favonio	2	44	26	500	65	66/-	30	540	160	86/-	30	650	85	76/-

Four blades. 24-inch sweep.

Electric Instrument Sterilisers



German Silver
or Nickel-plated

No.	Size. Inches.	Max. Watts.	Prices.
303 ...	9 by 4½	500 ...	55/-
305 ...	12 by 6	700 ...	85/-
307 ...	17 by 7	1200 ...	120/-

All arranged for three regulations.

Electric Water Heaters

Low Consumption.

Strongly Made.

Guaranteed.

Low Priced.



HOT WATER JUG.

S 8257—3¼ pints, 80 watts, antique brass.

Price 30/-



HOT WATER JUG.

S 8255—Nickel, ½ pints, 70 watts.

32/6

S 8256—Nickel, 2 pints, 550 watts, with regulation. Price 40/-



S 8203

1½ pints, 500 watts, brass.

Price 24/-

1½ pints, 400 watts.

S 8201—Tin-plate ... 10/6

S 8202—Copper ... 15/6

Fitted with self-regulating Plug.

2 pints, 360 watts.

S 8225—Copper ... 47/6

S 8226—Nickelled ... 55/6

S 8227—Silver-plated ... 72/6

3 pints 500 watts.

S 8228—Copper ... 50/6

S 8229—Nickelled ... 57/6

S 8230—Silver-plated ... 77/6

4 pints, 670 watts.

S 8231—Copper ... 57/6

S 8232—Nickelled ... 67/6

S 8233—Silver-plated ... 87/6



WATER HEATER (Nickel).

S 8270—2½ pints, 500 watts ... 27/6

S 8271—3½ pints, 650 watts ... 36/-

S 8272—5½ pints, 1,000 watts... 42/-

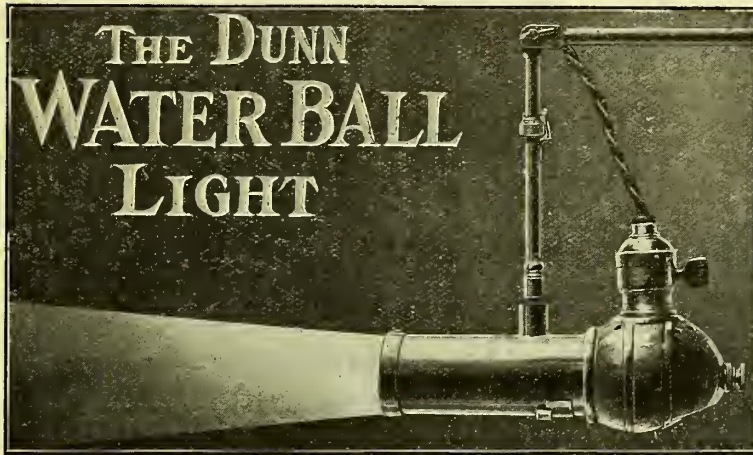
KETTLES AND STANDS.



S 8205—Floor Stand, wrought iron.

Price 13/6

THE DUNN WATER BALL LIGHT.



This operating light is superior to the original Dunn Light as it is to all other lights.

The DUNN WATER BALL LIGHT is constructed upon entirely new and scientific principles and produces a light that more closely resembles the actual sunlight than has ever been obtained before.

A glass ball filled with distilled water is placed directly beside the globe and between it and the projecting tube. The rays of light after passing through this ball of water are without colour rings, filaments or heat.

An iris diaphragm permits the instant change of the size of the illumination without causing interruptions or flashes. By changing the size of the illumination this light is effective at all distances from 15 to 30 inches.

It is suspended from the regular "New Model" bracket and by means of a ball-in-socket joint it can be easily adjusted to any position. The light is always convenient and ready for use. It measures just 9 inches over all and is but six inches high from bottom of the light chamber to top of the lamp socket.

Don't buy an operating light until you examine the DUNN WATER BALL LIGHT.

The Dunn Light throws parallel rays of pure white light directly into the mouth of the patient. It keeps the light out of his eyes and yours.

Complete, less bracket	...	...	...	...	...	...	54/-
The DUNN WATER BALL LIGHT, New Model Bracket to match	..	...	...	...	...	...	16/6
Extra Lamps, each	...	..	...	...	...	...	2/1
Dunn Light and essential parts of New Model Bracket, copper oxidized	...	...	...	...	...	...	66/8
Do.	do.	do.	do.	brass or nickel-plated	...	...	68/9
Dunn Light only, for attachment to New Model Bracket	...	...	...	...	...	...	41/8

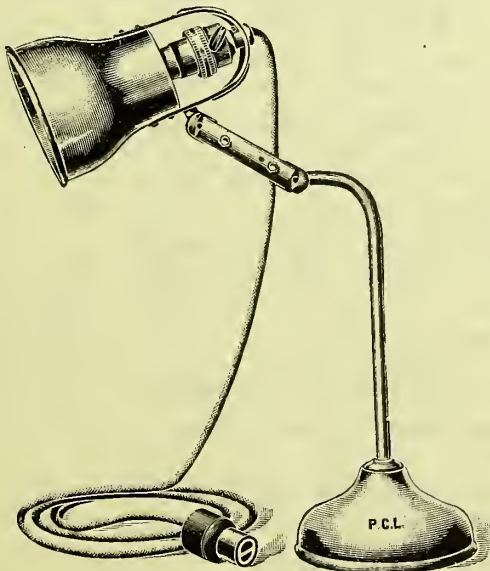
Two finishes—Oxidized Copper and Nickel Plated.

THE P.C.L. ELECTRIC LAMP.

The stand is iron, covered neatly with polished brass, and is therefore of the necessary weight to stand firm.

The head has sufficient scope in its movements to enable the operator to place the Lamp **in any position**, no matter what is required of it can be adapted.

Finished in a superior style in polished brass, with shade, silver plated.



New.

Novel.

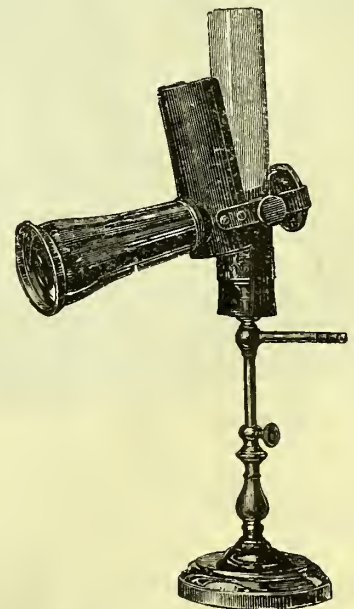
An Article that is wanted.

Return it if not as described.

Price 21 - complete.

Bulb extra.

Dr. Telschow's ELECTRIC LAMP



Best Quality only.

27/6.

Common and Cheaper Lamps not stocked

The P.C.L. Electro=Pneumatic Cabinet

(Hand-Made by British labour.)

This Cabinet is the finest piece of workmanship yet produced.

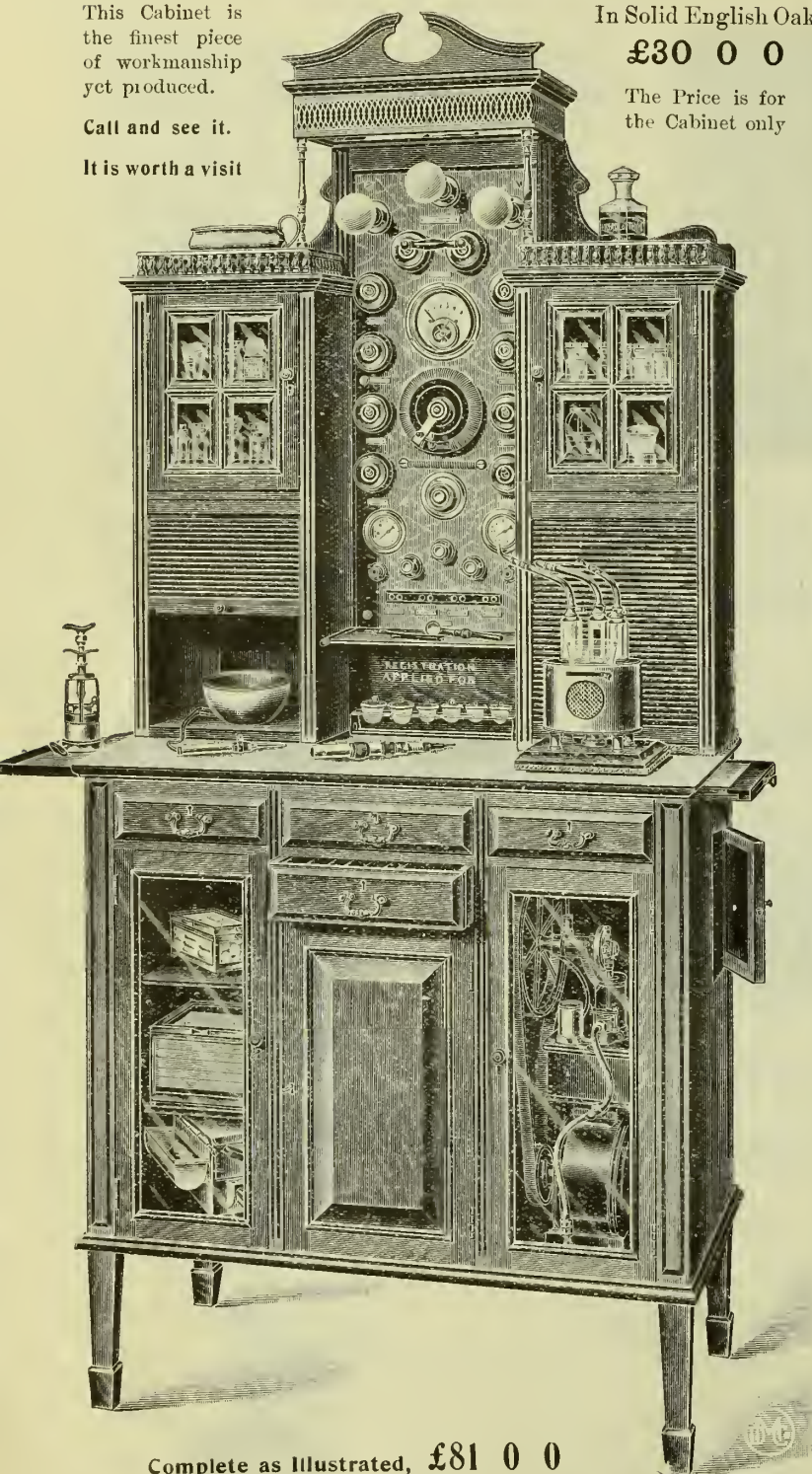
Call and see it.

It is worth a visit

In Solid English Oak

£30 0 0

The Price is for the Cabinet only



Complete as Illustrated, £81 0 0

Subject to 10% Cash Discount.

Any Part of this Outfit may be had separately. See List.

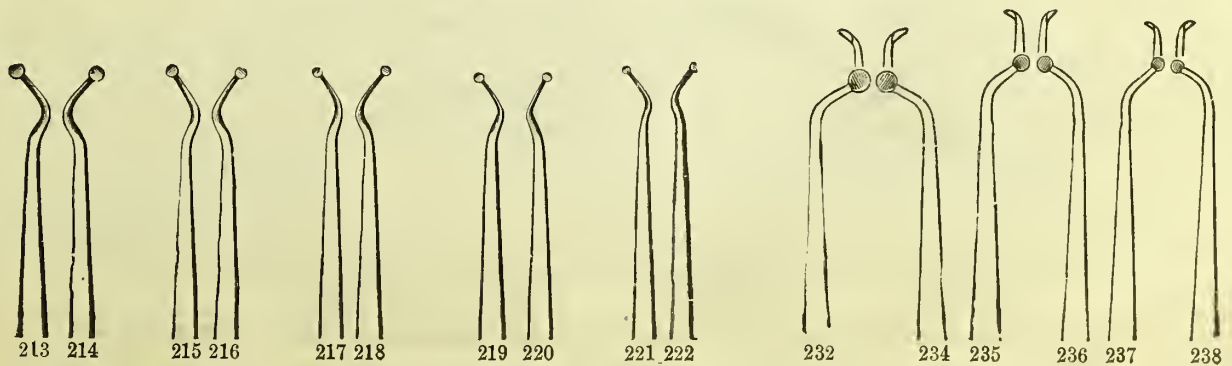
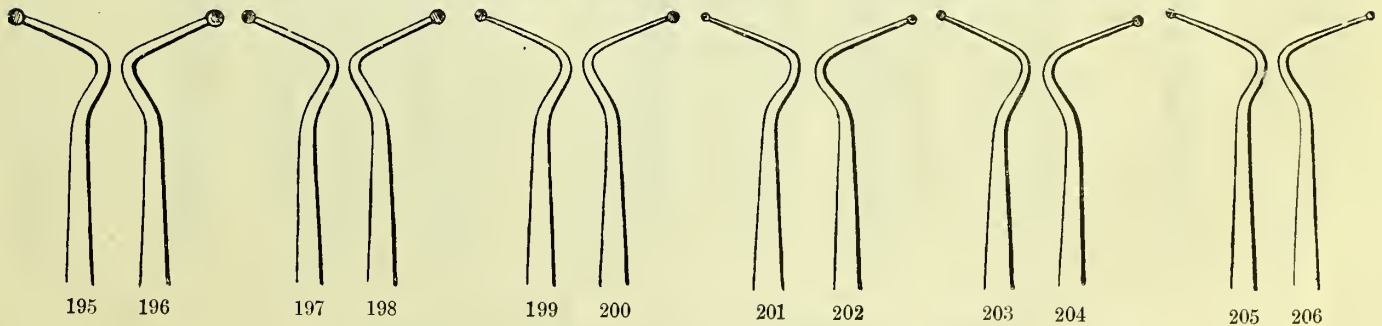
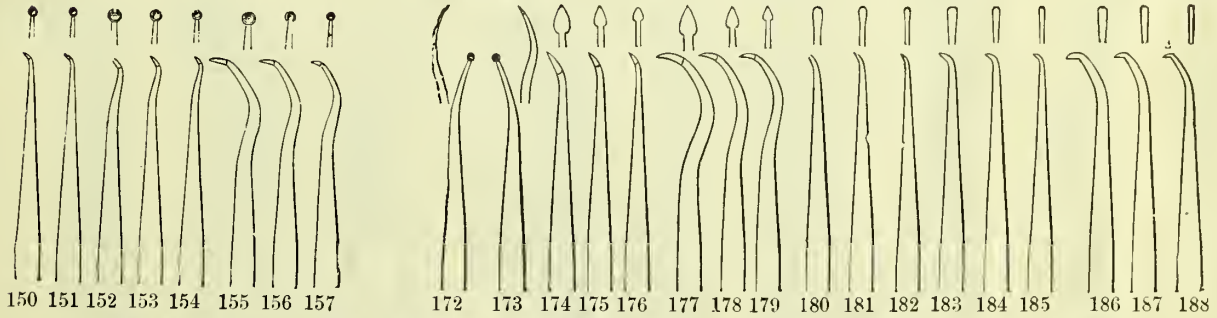
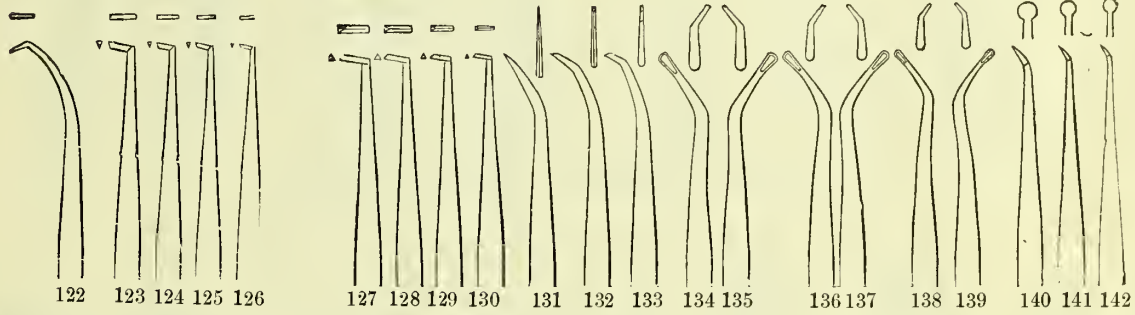
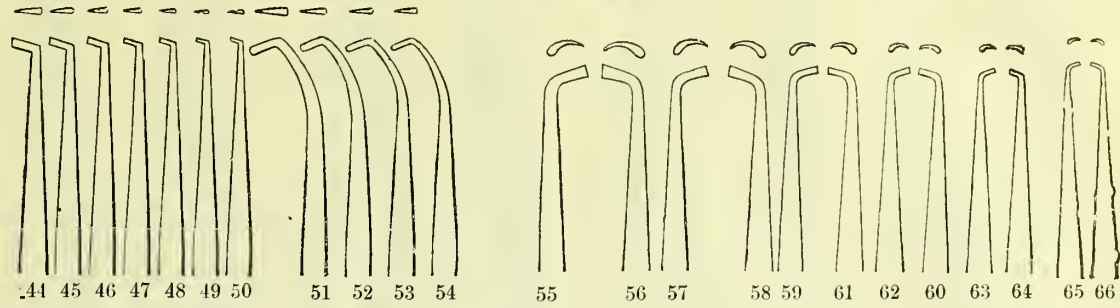
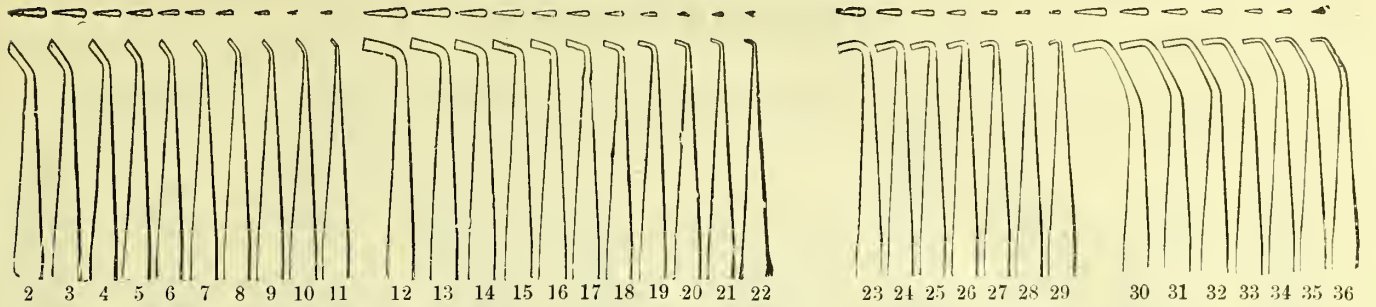
It is constructed to hold, in addition to the ordinary instruments, all the electrical appliances.

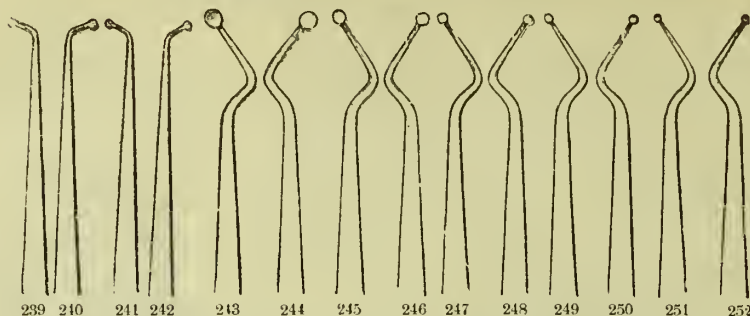
For the convenience of the up-to-date Dentist it is unique. Can be made to suit Customer's requirements.

A Summary of Prices is given below of Electrical Sundries required in Dentistry and Surgical Practice.

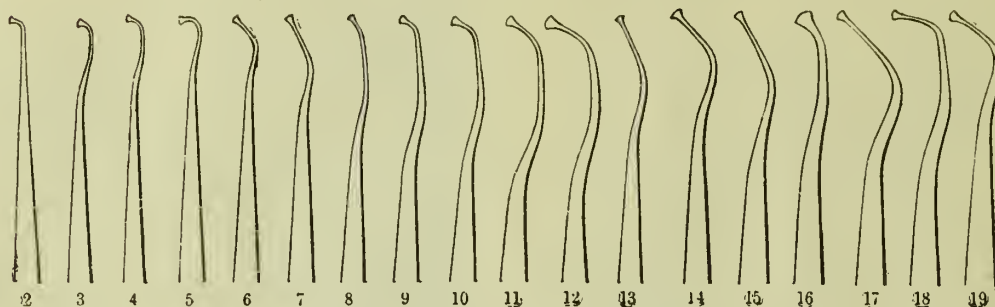
	£	s.	d.
Electric Switchboard Continuous Current - - - from	8	17	6
Ditto, Alternating Current „	9	17	6
Compressed Air Regulator -	7	0	0
Motor Compressor, 110 v. Continuous Current - -	18	15	0
Ditto, 220 v. Continuous Current	19	15	10
Ditto, 110 v. Alternating „	21	17	6
Ditto, 220 v. „ „	22	18	4
Improved Dental Atomizer with one Nozzle - - -	0	10	6
Vulcanite Nozzles in a variety of useful forms - - each	0	1	3
All Metal Nozzles, curved or straight - - -	0	1	3
Gold Needle Point, Mounted -	0	5	0
Chip Blowing Nozzle - -	0	1	3
Cut off - - - -	0	6	3
Silk Covered Tubing - per foot	0	1	6
Spray Bottle and Water Glass Heater—			
No. 2, Three Spray Bottle Heater - - -	2	10	0
No. 3, Three Spray Bottle and Water Glass Heater	3	2	6
No. 4, Six Spray Bottle and Water Glass Heater	3	15	0
Electric Hot-Air Syringe, Complete with 6ft. best Silk Covered Flexible Wire and necessary tubing - -	2	0	0
Improved Electric Cautery, complete with Cord and Connections - - -	1	12	0
Extra Platinum Loops - -	0	0	8
Burners for Use in Cautery handle	0	4	6
Improved Electric Mouth Examination Lamps, No. 14 - -	1	1	0
Improved Electric Mouth Examination Lamps, Nos. 15 & 16 -	1	10	0
Extra Bolts in Mounts - -	0	5	0
„ without Mounts - -	0	2	9

EXCAVATORS.

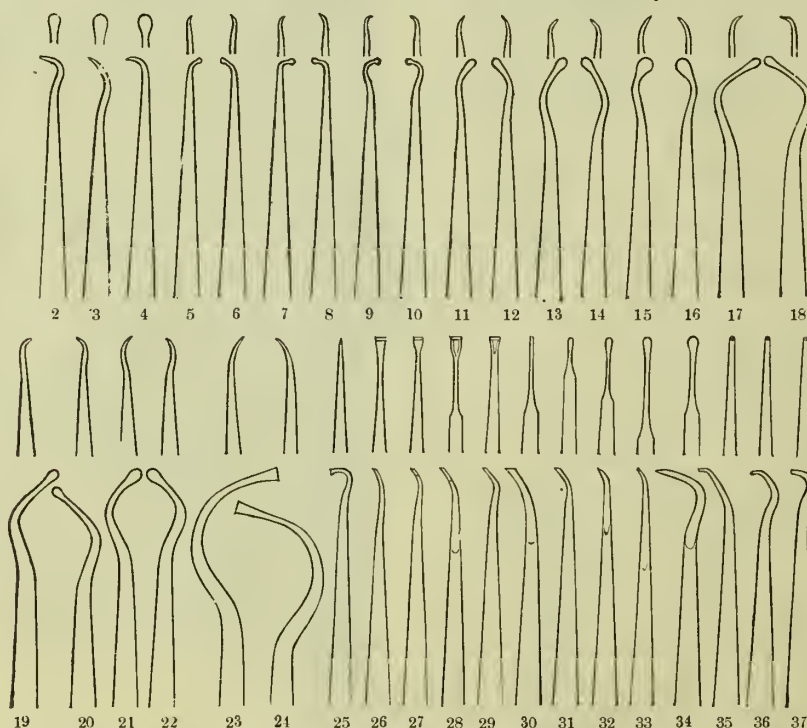


EXCAVATORS—continued.**BATTLE-AXE EXCAVATORS.**

Devised by DR. S. G. PERRY.



Nickel Plated, 7/6 per doz. 8d. each.

DERBY PERRY EXCAVATORS.

Nickel Plated, 7/6 per doz. 8d. each.

NEW PERFORATED GLASS PAPER.

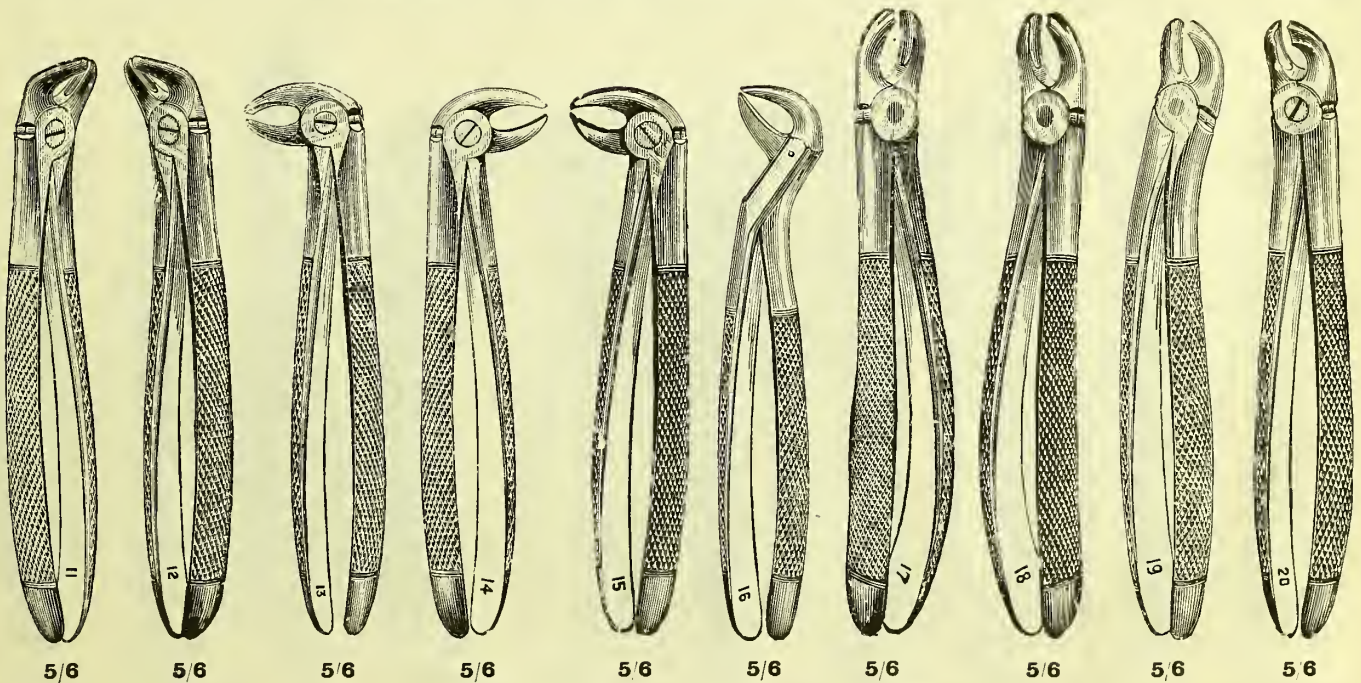
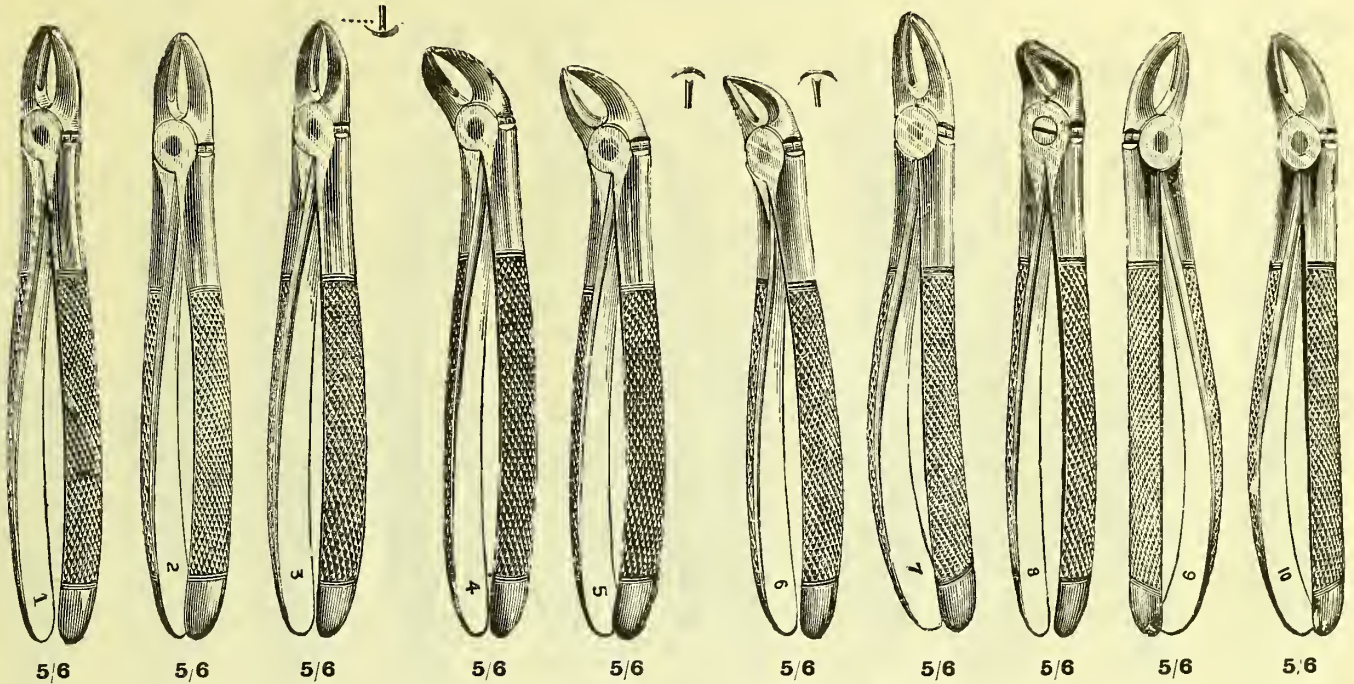
In Rolls, No. 1, 1½, 2, 15/- per doz. rolls. 1/3 per roll. No waste. Simply tear off as wanted.

EMERY & GLASS CLOTH, Etc.

EMERY STONES on Wood, 6d., 8d., 10d., 1/- each.
 " " Square Stick, 6d., 8d., 10d. each.
 " " 1½ in. × 2¾ in., 2/- each; very useful for rubbing down gold, silver, &c.
 " PENCILS, price 2d. to 3d. each.
 " BUFFS, all numbers, 4—0 to No. 4, 6d. per doz.: 5/6 per gross.
 " PAPER, French, blue back, 4—0 to No. 4, 9d. per doz. sheets.

EMERY POWDER, washed flour, 2/- lb. upwards, according to fineness of grain.
 " " Oakey's, 4d. per lb.
 " " washed, 1/- per lb.
 " CLOTH, Oakey's best quality twilled blue black, a very superior article, 2/6 per quire, per 1½d. [sheet].
 " PAPER, Oakey's best quality, per 1/9 quire.
 " GLASS 9d. per quire.
 " CLOTH, 1/6 per quire.

BEST ENGLISH FORCEPS—Sheffield Make.



- Fig. 1 Upper Central and Canines.
 „ 2 Upper Laterals and Bicuspid.
 „ 3 Upper Incisors, crowded internally
 and externally.
 „ 4 Lower Incisors and Canines.
 „ 5 Lower Incisors, crowded internally.
 „ 6 Lower Incisors, crowded externally.
 „ 7 Upper Bicuspid, for either side.

- Fig. 8 Lower Bicuspid, for either side.
 „ 9 Upper Bicuspid, right.
 „ 10 Upper Bicuspid, left.
 „ 11 Lower Bicuspid, right.
 „ 12 Lower Bicuspid, left.
 „ 13 Lower Bicuspid, hawk's bill, either
 side.

- Fig. 14 Lower Bicuspid, right.
 „ 15 Lower Bicuspid, left.
 „ 16 Lower Bicuspid, either side.
 „ 17 Upper Molars, right.
 „ 18 Upper Molars, left.
 „ 19 Upper Wisdoms.
 „ 20 Lower Wisdoms.

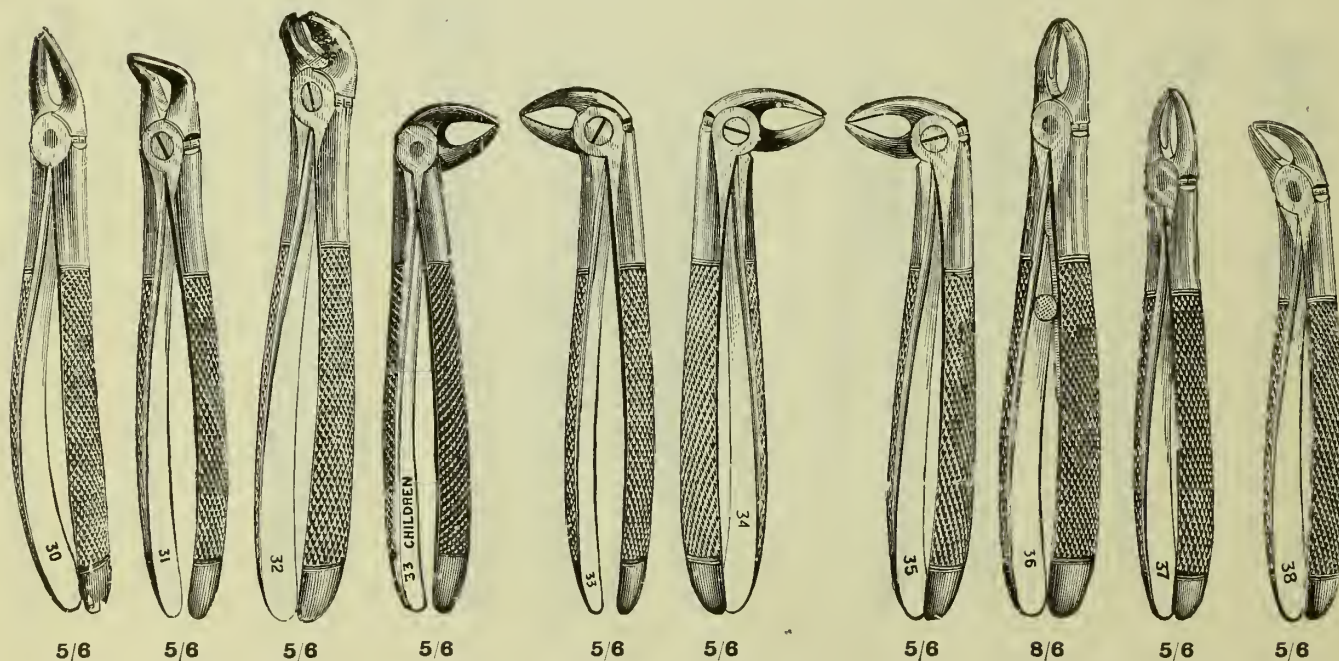
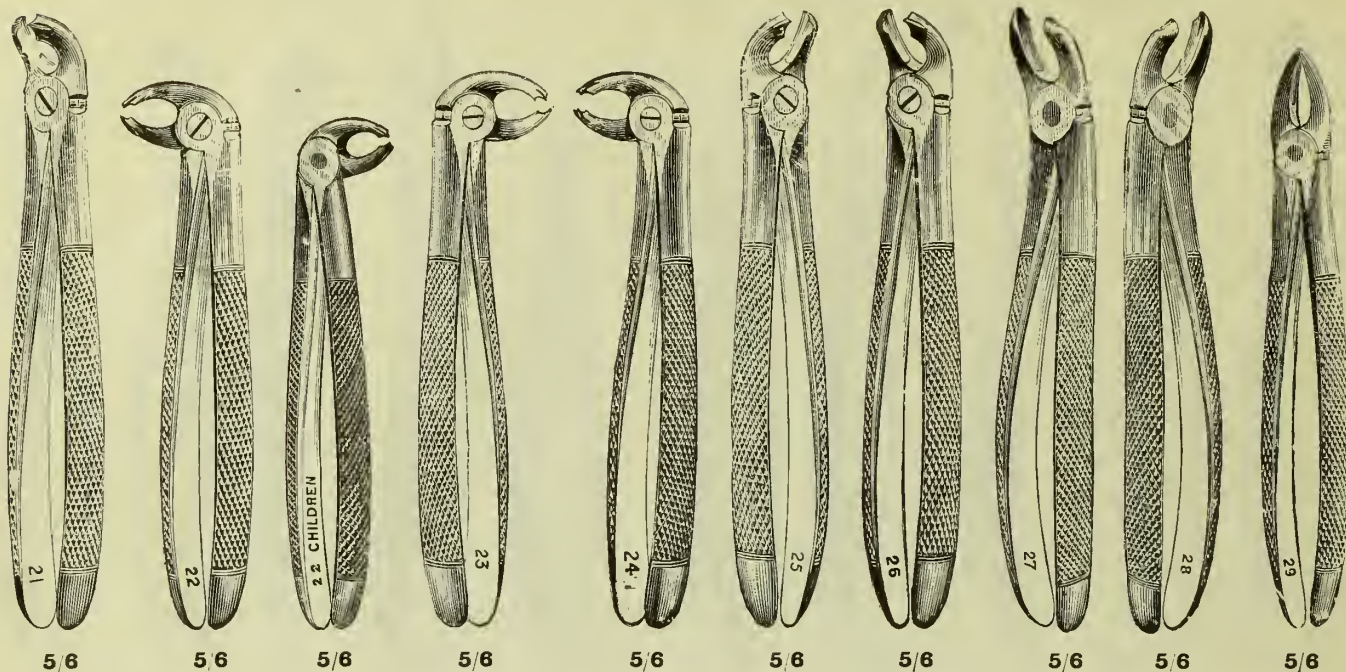
FORCEPS—*continued.*

Fig. 21 Lower Molars.

,, 22 Lower Molars, hawk's bill.

,, 23 Lower Molars, hawk's bill, right.

,, 24 Lower Molars, hawk's bill, left.

,, 25 Lower Molar Stumps, right.

,, 26 Lower Molar Stumps, left.

Fig. 27 Upper Molar Stumps, right.

,, 28 Upper Molar Stumps, left.

,, 29 Upper Stumps, either side, straight.

,, 30 Upper Stumps, either side, curved.

,, 31 Lower Stumps.

,, 32 Lower Molar Stumps.

Fig. 33 Lower Stumps, hawk's bill.

,, 34 Lower Stumps, hawk's bill, right.

,, 35 Lower Stumps, hawk's bill, left.

,, 36 Serrated Beaks and Slide.

,, 37 Upper Incisors and Canines.

,, 38 Lower Incisors and Canines.

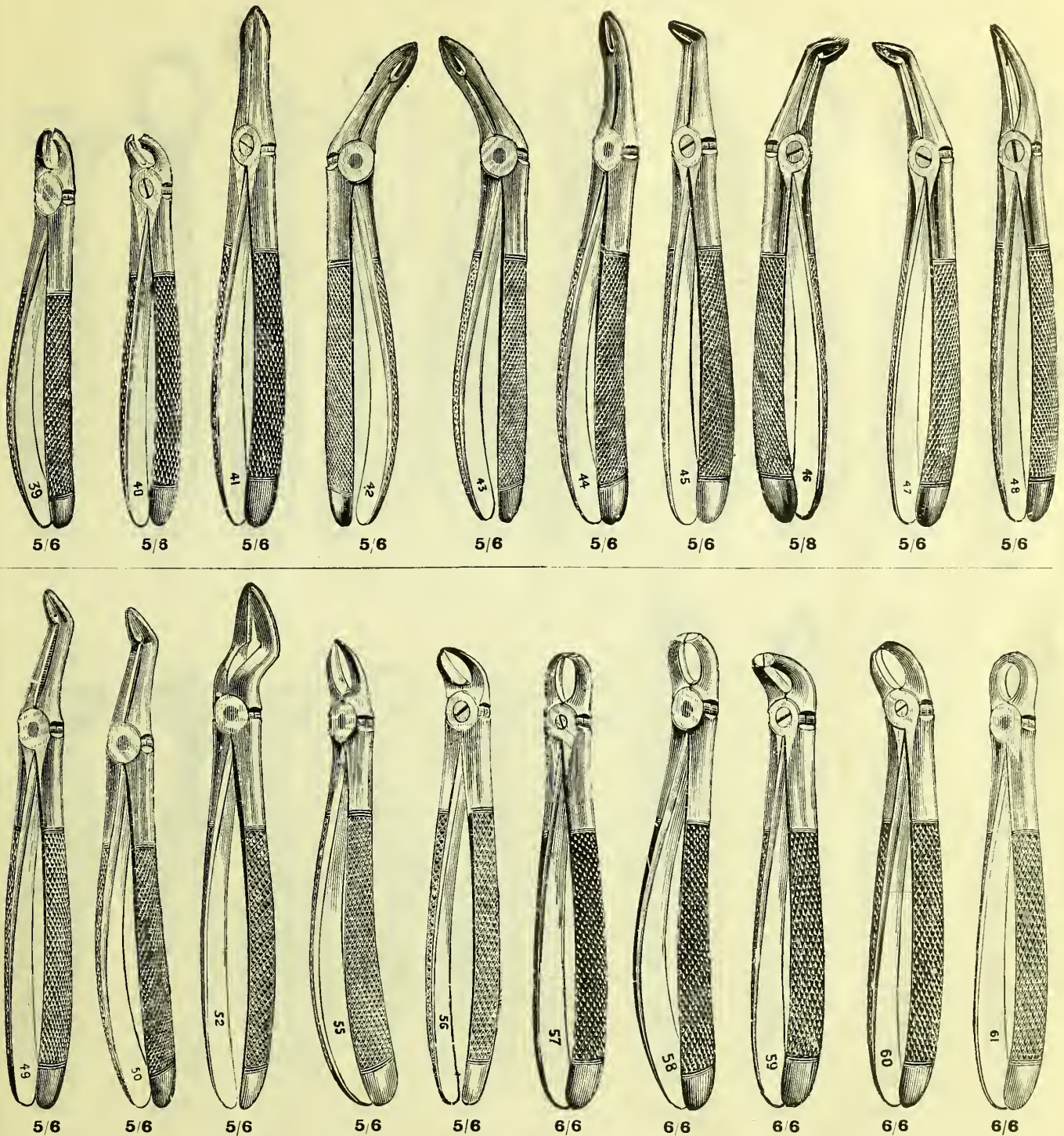
FORCEPS—*Continued.*

Fig. 39. Upper Molars, either side.

,, 40. Lower Molars, either side.

,, 41. Upper Stumps.

,, 42. Upper Stumps, left.

,, 43. Upper Stumps, right.

,, 44. Upper Stumps, curved.

,, 45. Lower Stumps.

Fig. 46. Lower Stumps, right.

,, 47. Lower Stumps, left.

,, 48. Lower Stumps, curved.

,, 48A. Lower Stumps, curved.

,, 49. Upper Stumps.

,, 50. Upper Stumps.

,, 52. Upper Stumps, wide beaks.

Fig. 55. Upper Molar, splitting.

,, 56. Lower Molars, splitting.

,, 57. Upper Excising, straight.

,, 58. Upper Excising, curved.

,, 59. Lower Excising, bent.

,, 60. Lower Excising, side curved.

,, 61. Upper Excising, round edges.

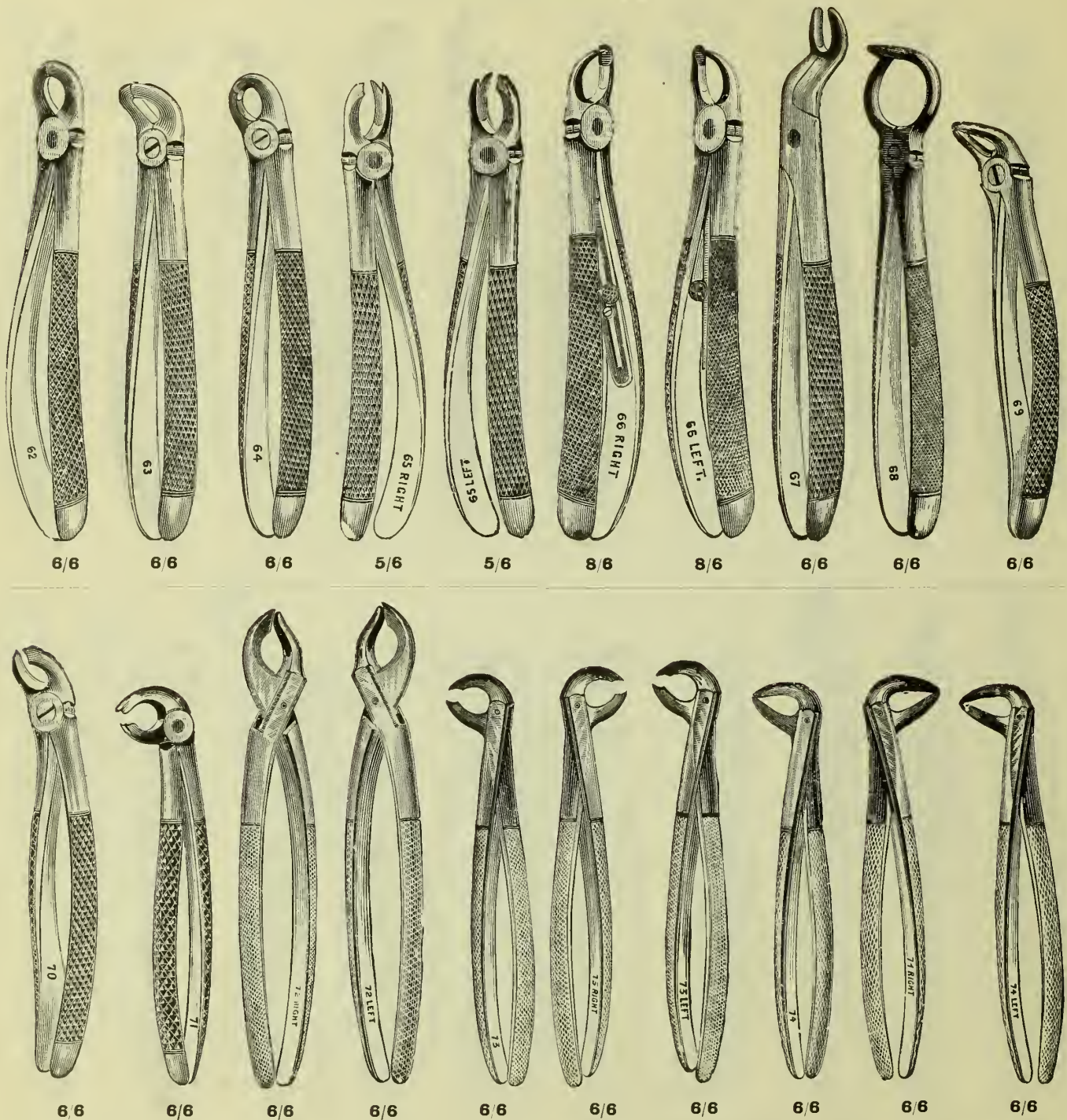
FORCEPS—*Continued.*

Fig. 62. Upper Excising, round edges.
 „ 63. Lower Excising, round edges.
 „ 64. Lower Excising, round edges.
 „ 65. Upper Molar Stumps, right.
 „ 65A. Upper Molar Stumps, left.
 „ 66. Upper Molar Stumps, right.
 „ 66A. Upper Molar Stumps, left.

Fig. 67. Upper Wisdom.
 „ 68. Lower Stumps.
 „ 69. Lower Stumps.
 „ 70. Lower Molars.
 „ 71. Lower Molar Stumps.
 „ 72. Upper Molars, right.
 „ 72A. Upper Molars, left.

Fig. 73. Lower Molars, straight.
 „ 73A. Lower Molars, right.
 „ 73B. Lower Molars, left.
 „ 74. Lower Stumps, straight.
 „ 74A. Lower Stumps, right.
 „ 74B. Lower Stumps, left.

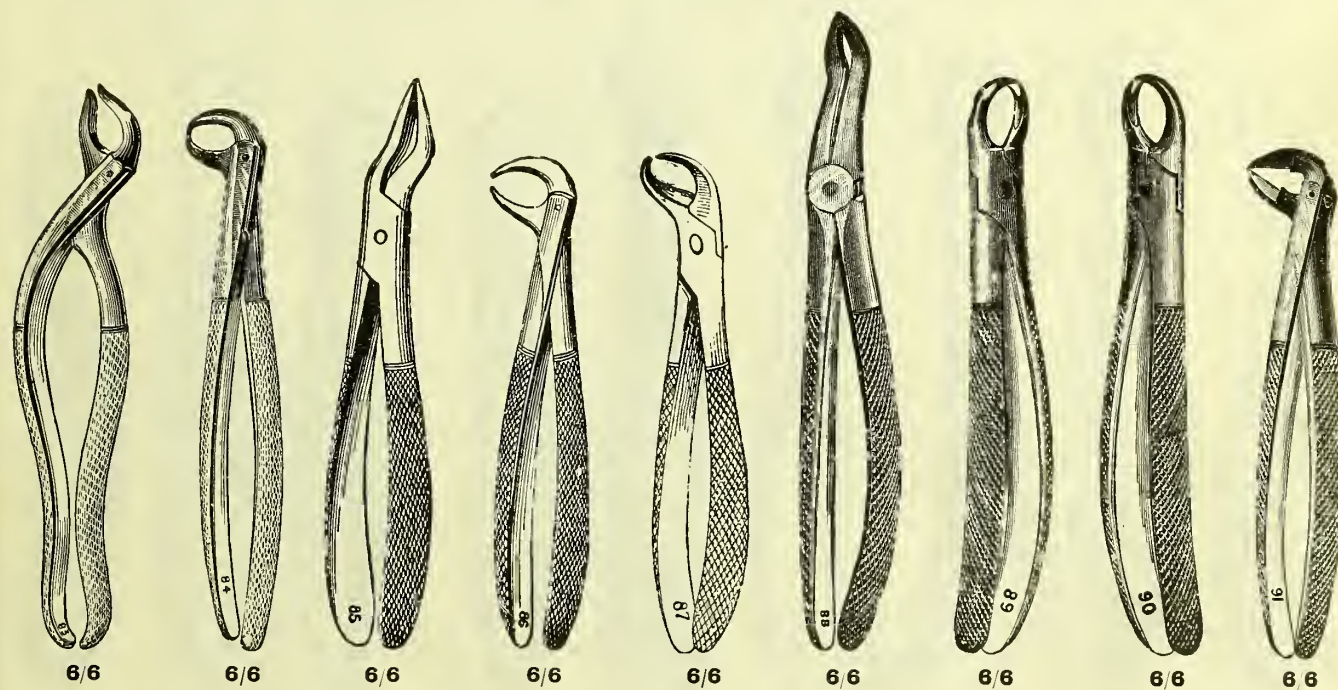
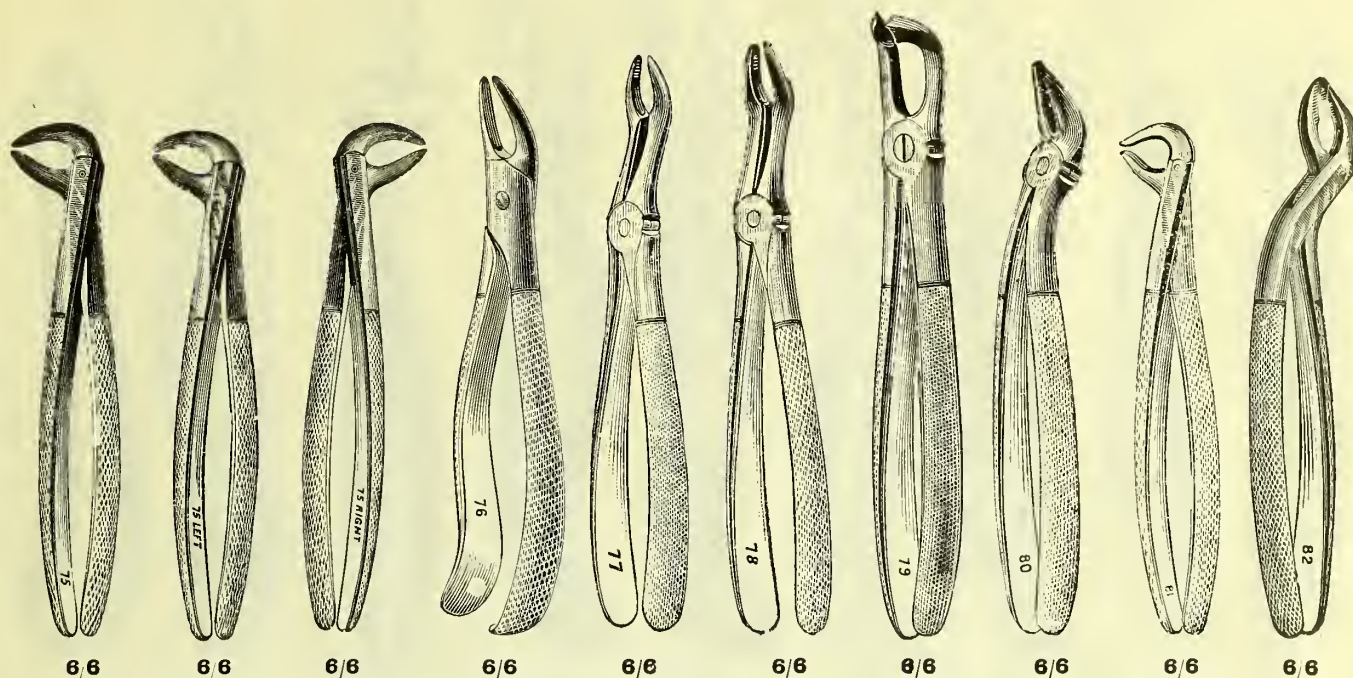
FORCEPS—*Continued.*

Fig. 75 Lower Bicuspid, straight.

,, 75A Lower Bicuspid, right.

,, 75B Lower Bicuspid, left.

,, 76 Upper Stumps.

,, 77 Upper Stumps, narrow.

,, 78 Upper Stumps, wide.

,, 79 Lower Molars and Wisdom.

Fig. 80 Upper Molars and Wisdom.

,, 81 Lower Stumps, universal.

,, 82 Upper Splitting and Extracting.

,, 83 Upper Stumps, Universal.

,, 84 Lower Excising.

,, 85 Upper Stumps.

,, 86 Lower Molars, cow horn.

Fig. 87 Low Molars, cow horn.

,, 88 Upper Wisdoms.

,, 89 Upper Molars, right.

,, 90 Upper Molars, left.

,, 91 Lower Molars, splitting.

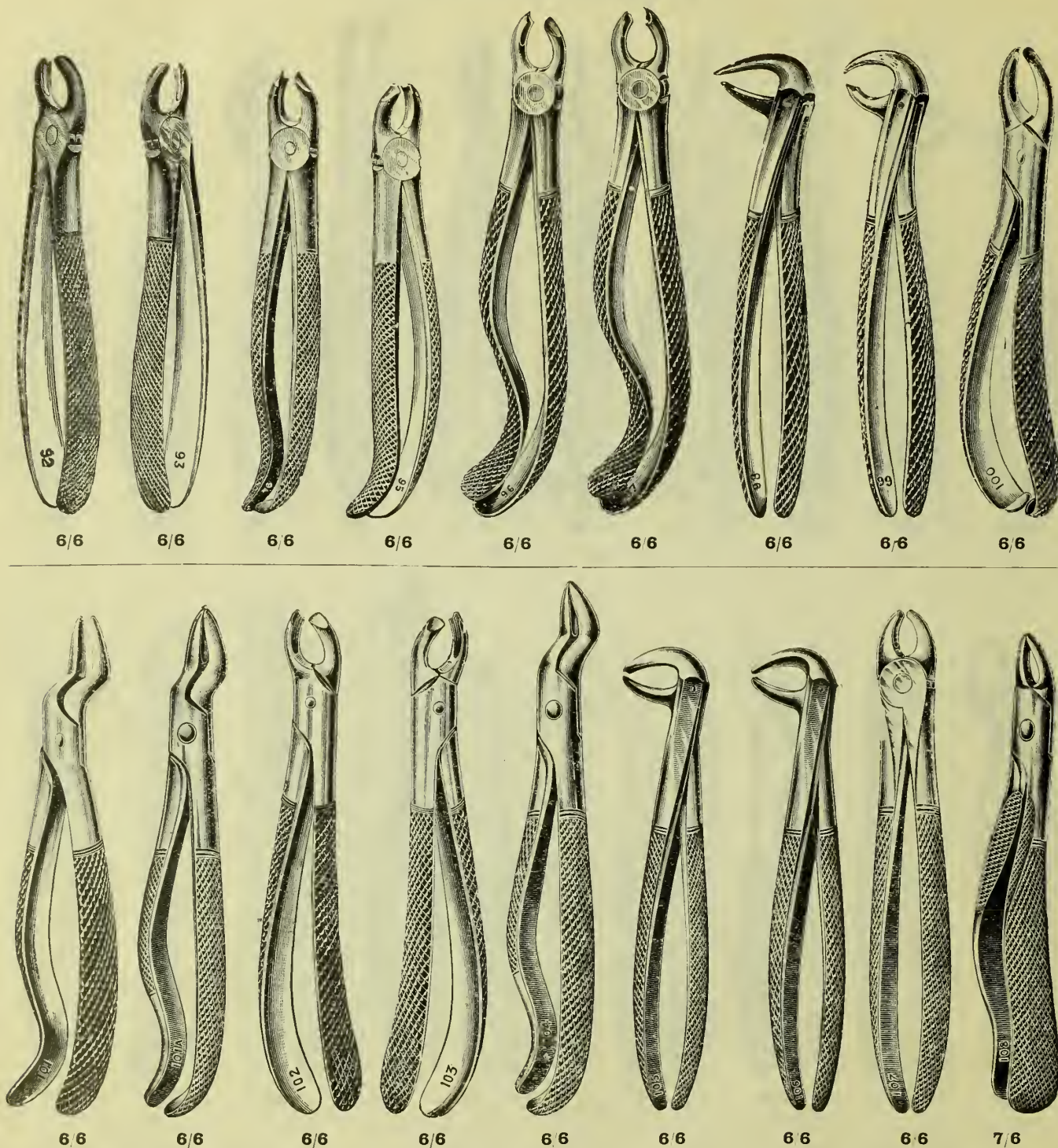
FORCEPS—*Continued.*

Fig. 92. Upper Molars, right.

,, 93. Upper Molars, left.

,, 94. Upper Molar Stumps, right.

,, 95. Upper Molar Stumps, left.

,, 96. Upper Molars, right,

,, 97. Upper Molars, left.

Fig. 98. Lower Stumps, hawk's bill.

,, 99. Lower Molars, cow horn beak.

,, 100. Upper Stumps.

,, 101. Upper Stumps, bayonet form.

,, 101A. Upper Stumps, broad.

,, 102. Upper Molars, right.

Fig. 103. Upper Molars, left.

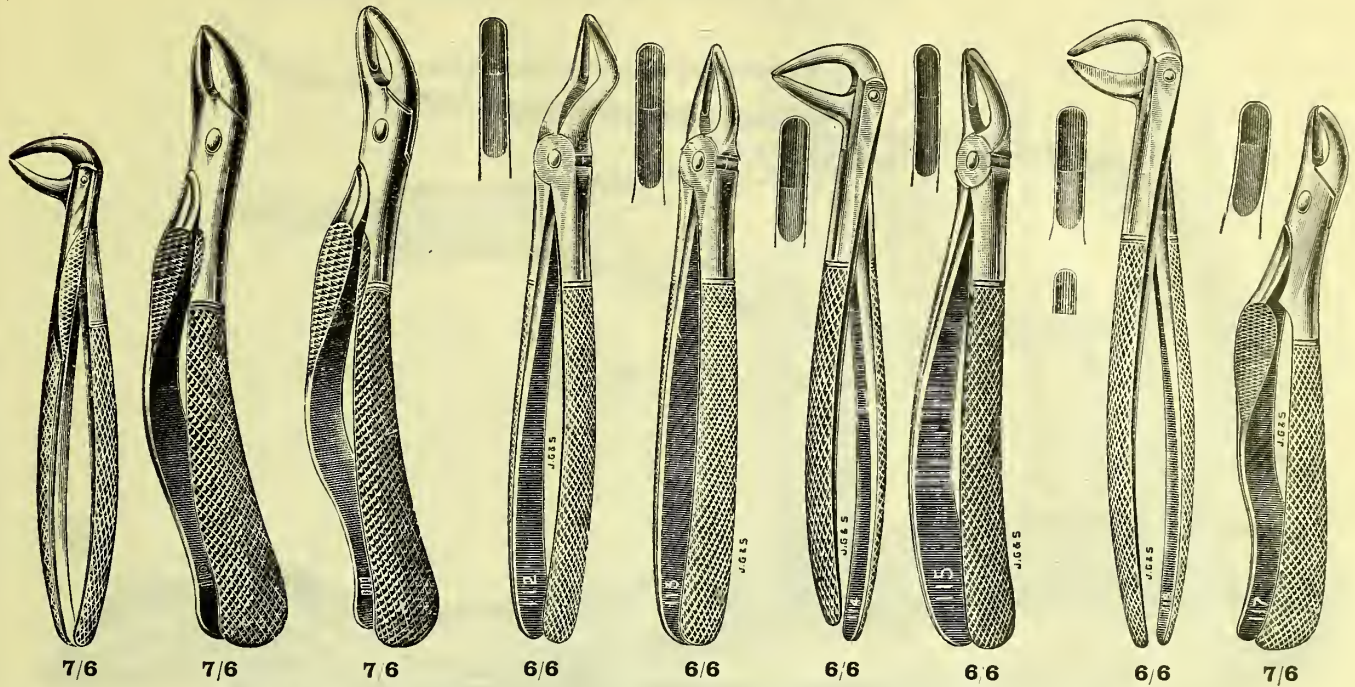
,, 104. Upper Molar and Wisdom Stumps.

,, 105. Lower Incisors, crowded externally.

,, 106. Lower Incisors, crowded internally.

,, 107. Upper Canines, strong.

,, 108. Upper Stumps, Hill's, with thumb rest.

FORCEPS—*Continued.*

- Fig. 109. Lower Stumps, with thumb rest.
 „ 110. Upper Stumps, with thumb rest, Thorne's.
 „ 111. Upper Stumps, with thumb rest, broad.
 „ 112. Bayonet Form, for upper roots.
 „ 113. Straight
 „ 114. Hawks Bill, „ „ lower „

- Fig. 115. Curved Forms, for upper roots.
 „ 116. For Crowded Teeth in the Mandible. Highly esteemed by operators owing to very useful angle of the beaks.
 „ 117. With thumb rest. Combined root and tooth for upper wisdoms.

Patterns 112 to 117 are much appreciated by operators who prefer light to heavy forceps, being light in build.

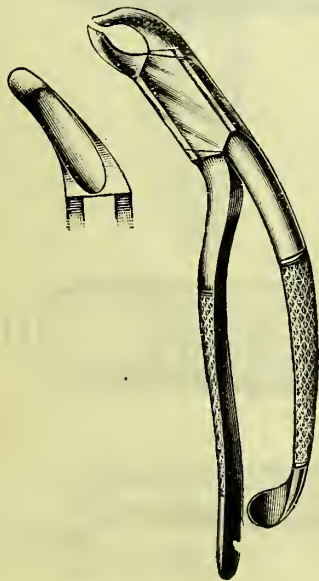
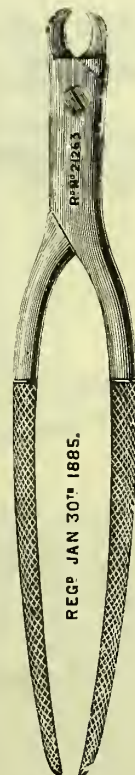


Fig. 201.

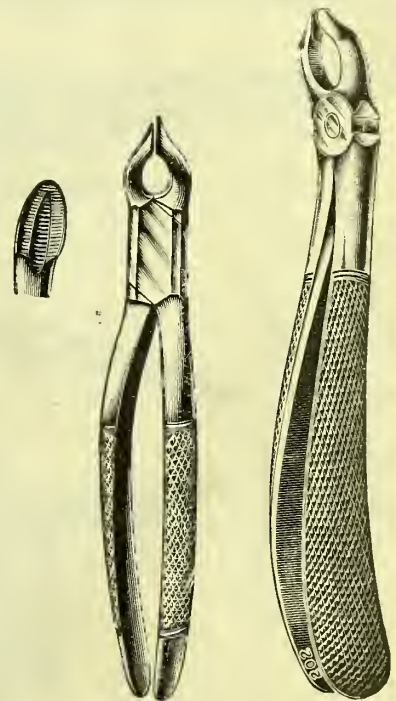
UNIVERSAL FORCEPS.

8/6 each.



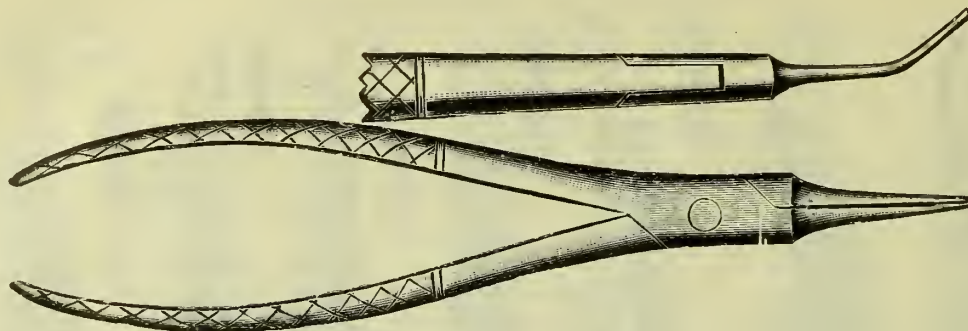
DENTAL EXCISING FORCEPS.

10/6



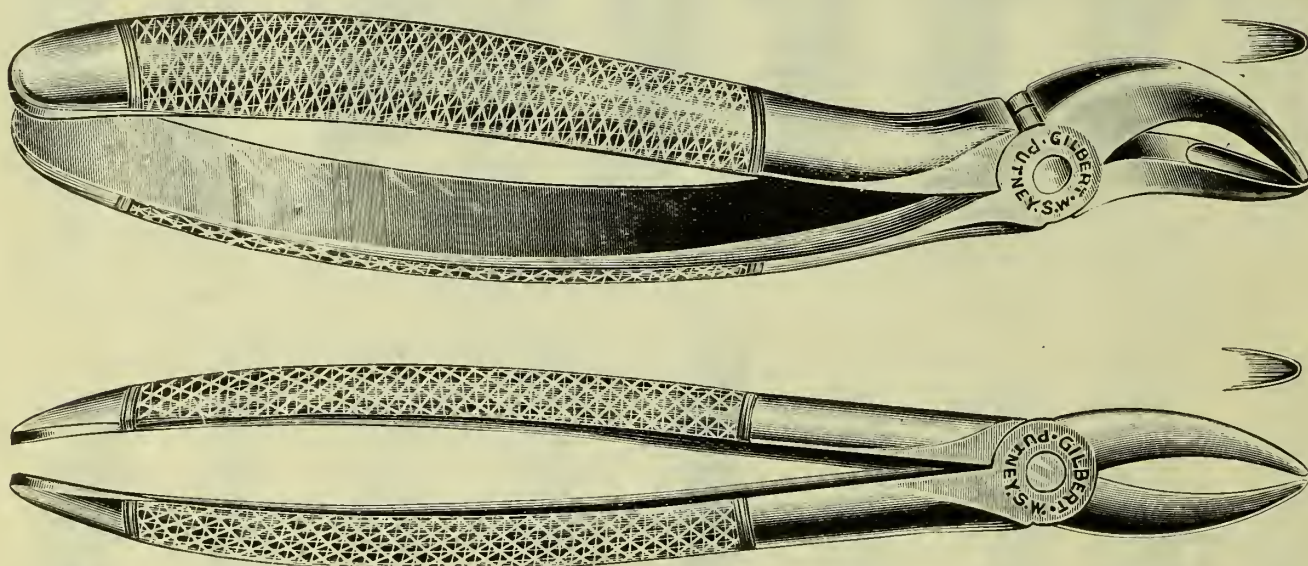
UNIVERSAL FORCEPS.

9/- each.

FORCEPS—*Continued.*

ROOT NIPPERS.

Straight and Curved. 5/- each.

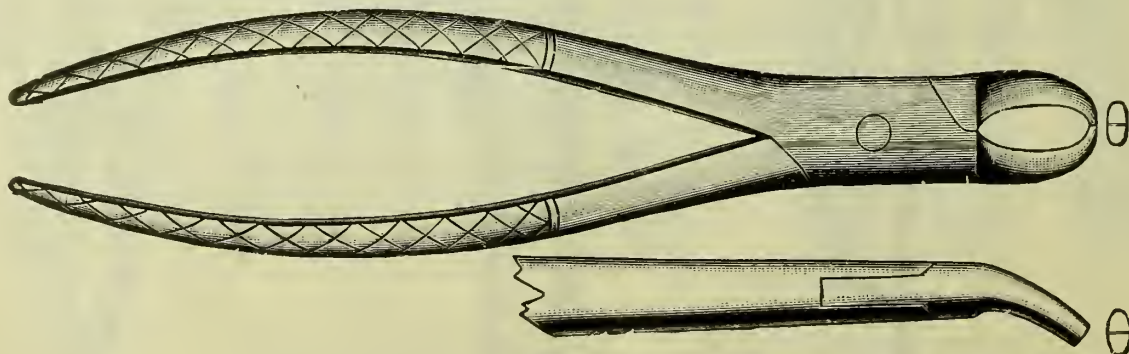


GILBERT'S PATTERN FORCEPS.

8/6 each.

Any Form
FOREIGN
FORCEPS.

4/- per pair.



FRAGMENT FORCEPS.

4/- each.

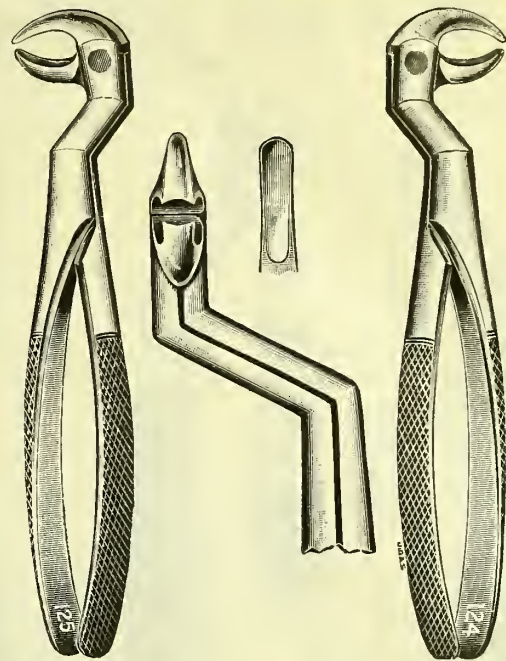
FORCEPS—*continued.*

No. 124. Lowe's Bicuspid, with crank bend for distending the cheeks (Routurier's), right.

Each £0 10 0 

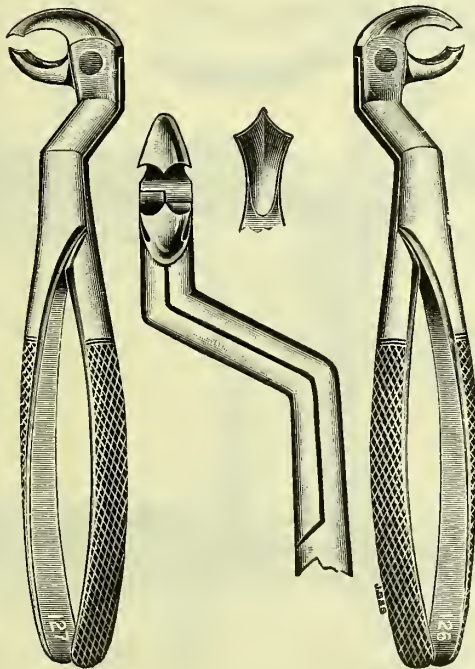
No. 125. Lowe's Biscuspids, with crank bend for distending the cheeks (Routurier's), left. 

Each £0 10 0



No. 125

No. 124



No. 127

No. 126

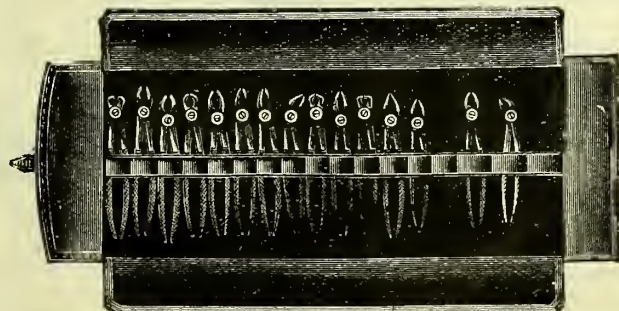
No. 126. Lower Molars, with crank bend for distending the cheeks (Routurier's), right.

 Each £0 10 0

No. 127. Lower Molars, with crank bend for distending the cheeks (Routurier's), left.

 Each £0 10 0

FORCEP CASE.



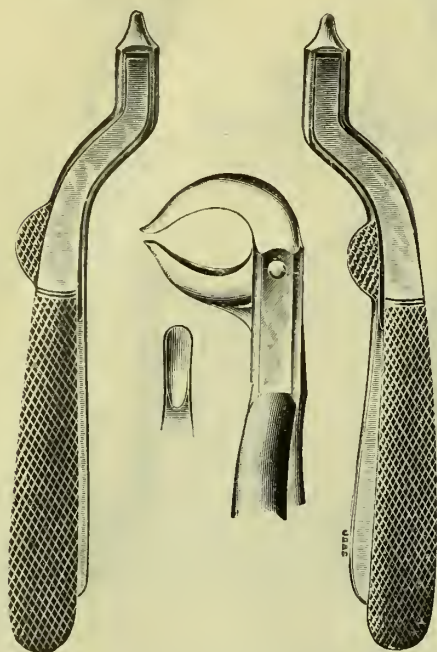
To hold 12 Forceps, 7/6

To hold 18 Forceps, 10/6

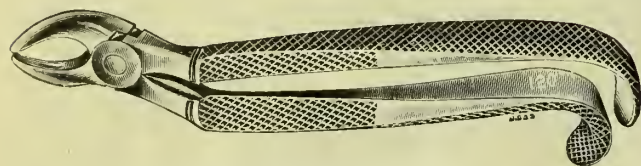
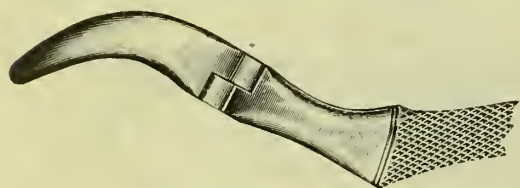
SPECIAL CASES
made to Order.

Some New and Useful Patterns in Forceps.

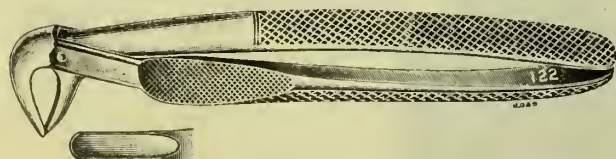
BEST ENGLISH MAKE GUARANTEED.



- No. 118. Curved lower Forceps (Carter's), with thumb rest, for bicuspid and roots, bent to the right, to clear the cheek ... each £ s. d. 0 13 0
- „ 119. Ditto, ditto, bent to the left „ 0 13 0
- „ 118a. Ditto, ditto, for molars, bent to the right ... „ 0 13 0
- „ 119a. Ditto, ditto, bent to the left „ 0 13 0

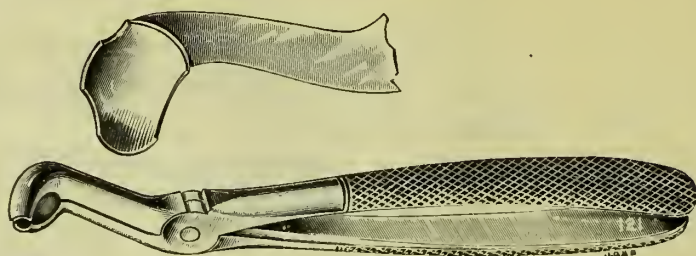


- No. 120. For upper and lower teeth, with double thumb rest and curved handles ... each £ s. d. 0 8 0

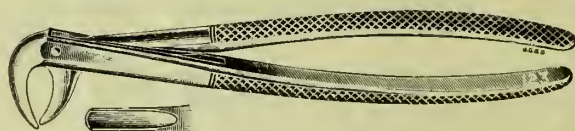


No. 122.

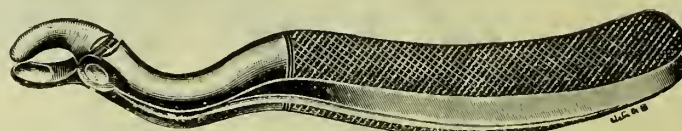
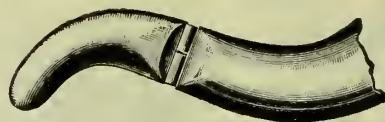
- No. 122. Lower Stump Forceps, hawksbill, with indented thumb rest and bowed handles ... each £ s. d. 0 8 6
- „ 122a. Ditto, ditto, for lower molars „ 0 8 6



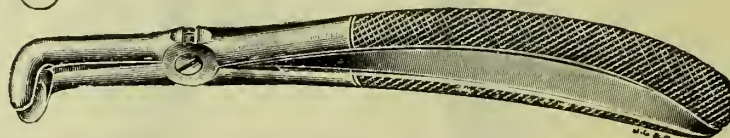
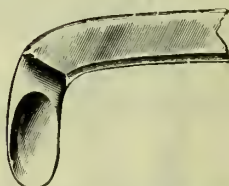
- No. 121. Upper Wisdom Forceps, with large hollow jaws to retain the tooth ... each £ s. d. 0 8 0



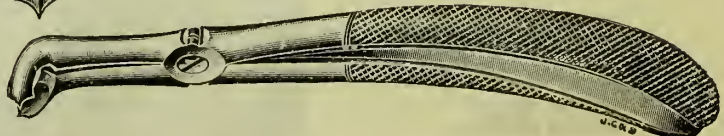
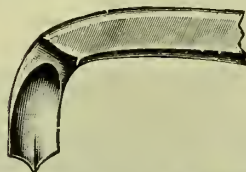
- No. 123. Hawksbill Stump Forceps, small and light, for children's teeth each £ s. d. 0 6 4



- No. 130. Upper Wisdom Forceps, double curved handles (Ladmore's) ... each £ s. d. 0 7 4



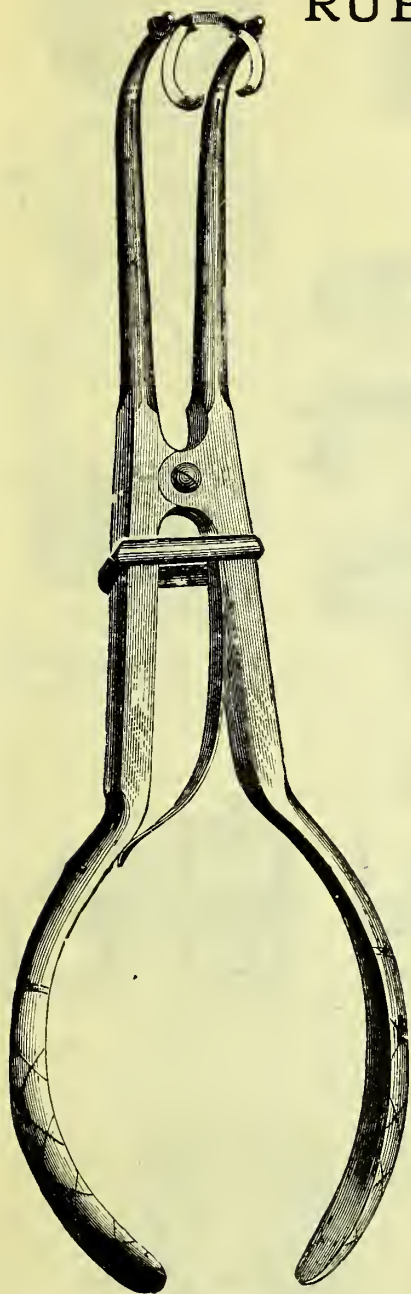
- No. 307. Lower Wisdom Forceps, full curved handles ... each £ s. d. 0 6 8



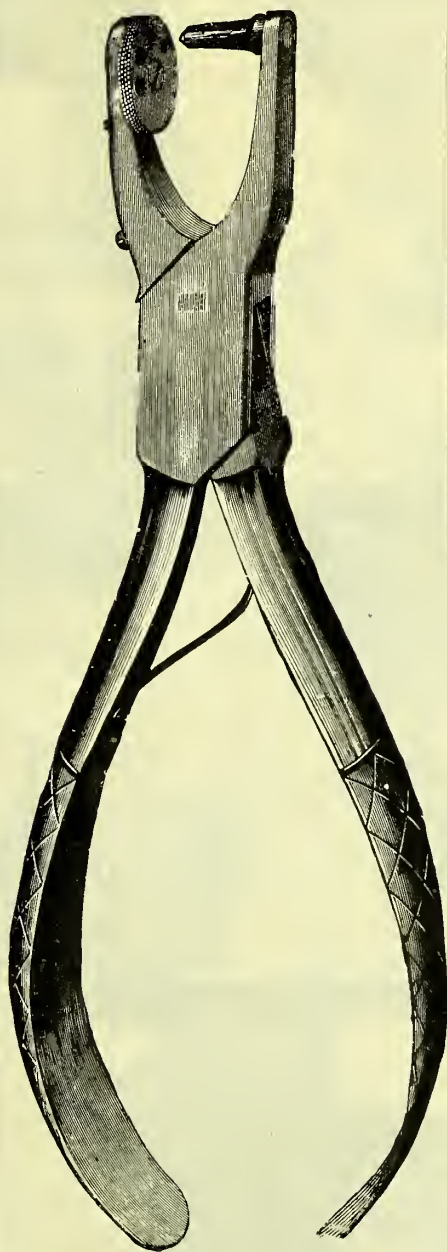
- No. 308. Lower Molar Forceps, full curved handles ... each £ s. d. 0 6 8

Any special patterns of Tooth Forceps made to order, design or model.

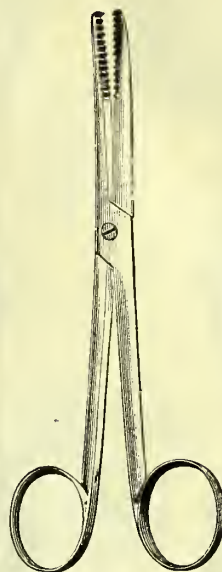
RUBBER DAM FORCEPS.



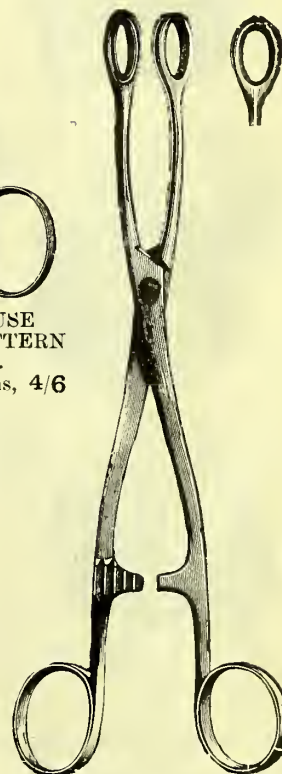
Clamp Forceps, 7/- each.



Rubber Dam Punch ("Arnsworth's"), 11/6



Mr. WOODHOUSE
BRAINE'S PATTERN
4/6 each.
Cheaper Patterns, 4/6
and 5/-

TONGUE
FORCEPS

NICKEL PLATED,
with Aseptic Joint,
6/- each.

THE "IDEAL" TONGUE FORCEP

Designed by Mr. I. COHEN, London.

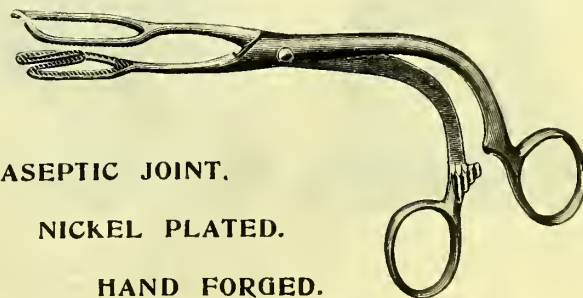
The "IDEAL" Forcep is anatomically shaped to the tongue, the lower blade is bifurcated, allowing space for the *fraenum linguae* so that the tongue rests well forward. The upper blade is longer and slightly overlaps the lower blade, and is curved to the shape of the dorsum of the tongue.

The grip of the Forcep is graduated so as to leave no pressure marks and is sufficiently serrated to prevent slipping, which is also secured by the elevation of the lower blade, which forces the tongue partly through the upper blade.

It will be found most useful in those cases where Chloroform has to be administered single-handed, the handle being so shaped that the tongue can be pulled forward and will remain outside the mouth while the patient is in a recumbent position.

In Gas cases the Dentist will find the "IDEAL" Forcep specially suitable where it is advisable to pull the tongue forward for a moment and yet leave no trace of having touched it.

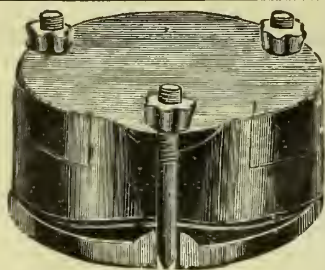
Price 8/6 each.



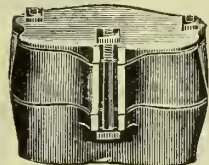
ASEPTIC JOINT.

NICKEL PLATED.

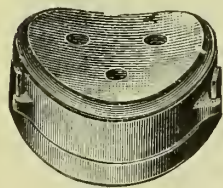
HAND FORGED.



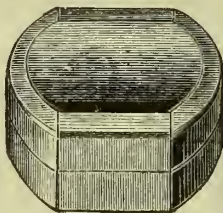
24.—HAYES'.
 $3\frac{1}{2} \times 3\frac{1}{2} \times 1\frac{1}{4}$ deep 5/6



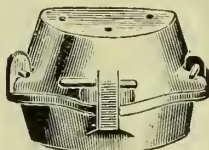
28.—WITNEY'S.
 $3\frac{1}{2} \times 3\frac{1}{2} \times 2$ deep 4/6
 Ex. Deep, $3\frac{3}{8} \times 3\frac{1}{2} \times 2\frac{1}{8}$,, 5/6



30.—CELLULOID.
 Ex. Large, $4\frac{1}{4} \times 3\frac{3}{8} \times 2\frac{3}{4}$ deep 6/6
 Large, - $4 \times 3\frac{1}{8} \times 2$,, 5/-

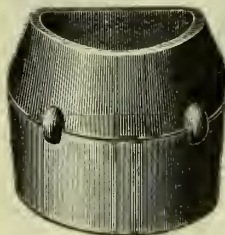


25.—BERLIN.
 $3\frac{3}{4} \times 3\frac{1}{4} \times 1\frac{1}{2}$ deep 4/6
 Ex. Deep, $3\frac{3}{4} \times 3\frac{1}{4} \times 2\frac{1}{4}$,, 5/-

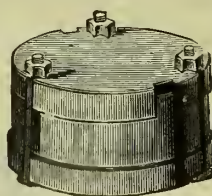


29.—WHITEHOUSES'S
 Large - $4\frac{1}{2} \times 4\frac{1}{2} \times 2\frac{5}{8}$ deep 6/9
 Medium, $3\frac{3}{4} \times 3\frac{3}{8} \times 2\frac{1}{8}$,, 5/9

BAILEY FLASK.

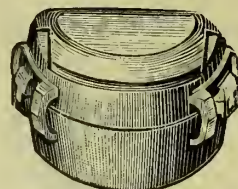


1/9 each.



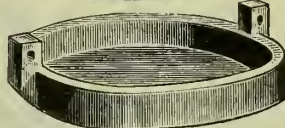
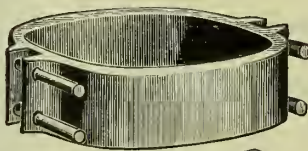
26.—LEWIS'S.

Ex. Large, $3\frac{3}{4} \times 3\frac{3}{4} \times 2$ deep 6/-
 Large - $3\frac{1}{2} \times 3\frac{1}{2} \times 1\frac{1}{2}$,, 5/3

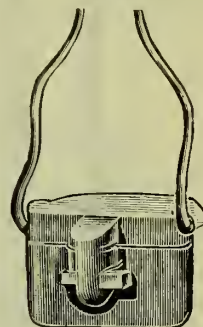


27.—LADMORE'S.

Ex. Large, $4\frac{1}{4} \times 3\frac{1}{2} \times 2\frac{3}{8}$ deep 6/-
 Large - $4\frac{1}{8} \times 3\frac{1}{4} \times 2\frac{1}{4}$,, 5/6
 Medium - $3\frac{3}{8} \times 3 \times 2\frac{1}{8}$,, 5/-
 Extra Clips, 6d. each.



31
 $4 \times 3 \times 3\frac{3}{8}$,, 6/-
 Ex. Deep, $4 \times 3 \times 3$ deep 7/-



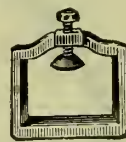
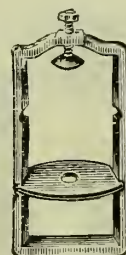
33.—EMPEROR.

$4 \times 4\frac{1}{8} \times 2\frac{1}{2}$ deep 6/6
 $3\frac{1}{2} \times 3\frac{3}{4} \times 2\frac{1}{2}$,, 6/-

WROUGHT IRON CLAMPS WITH THUMB SCREW.

Prices:

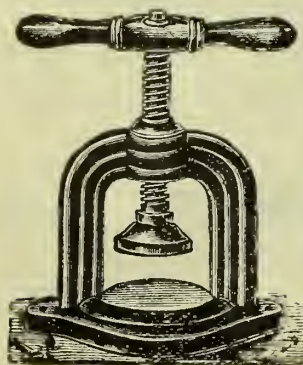
No. 1.	To hold three flasks, $4\frac{1}{2}$ in. wide by 5 in. deep	...	5 in. wide by $5\frac{3}{4}$ in.	4/6
„ 2.	„ two „ $3\frac{3}{4}$ „ 5 „	...	$4\frac{1}{4}$ „ $5\frac{3}{4}$ „	4/-
„ 3.	„ one flask, $4\frac{1}{2}$ „ 3 „	...	5 „ $3\frac{3}{4}$ „	3/6



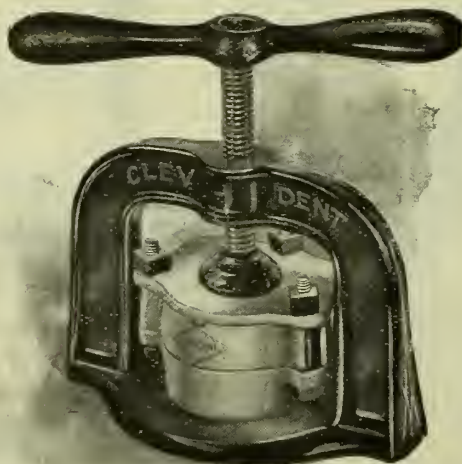
C. J. P. & Co., Ltd.

FLASK PRESS

is the strongest on the market, thousands are in use and give entire satisfaction. Sold in two sizes.



No. 1 Flask	...	8/6
„ 2 „	...	13/6
„ 3 „	...	15/6
„ 4 „	...	17/6



The 'CLEV-DENT' Flask Press

is absolutely non-breakable—a big claim but true. There is a reason: It is made of the best malleable iron. That is not all. It has a correct, easy moving screw. Possesses great leverage with the pressure upon the flask so evenly distributed that danger of pressing blocks out of place or breaking teeth is reduced to a minimum. Will accommodate the largest flask. Neat in appearance.

Price ... 6/6

IRON FLASKS

Small - 2/6 each | Medium - 3/6 each
 Large - 5/- each

LIFTERS 1/- each.

FLASK WEDGES, 1/3 per dozen.

FLASK CLAMPS, medium, 9d., large, 10d.

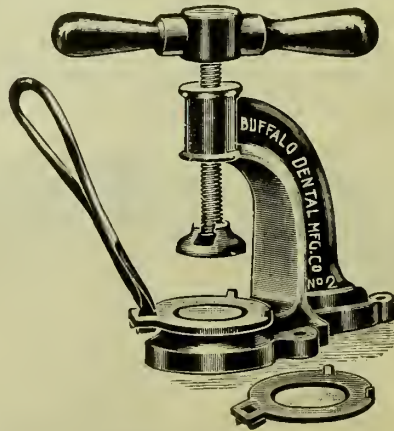
FLASK STEEL PINS, 9d. per dozen.

Ditto for EMPEROR flasks, 1/3 per dozen.

FLASK BOLTS, 3d. each, 2/- per dozen.

No. 2b Flask Press

With Flask Lifter and Bolt Sustaining Ring.

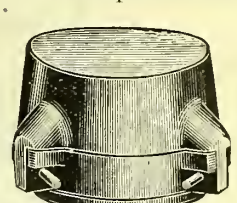
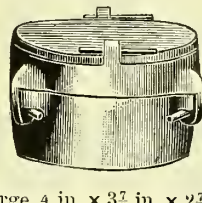
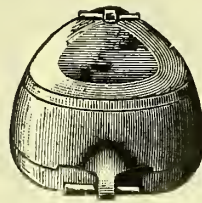
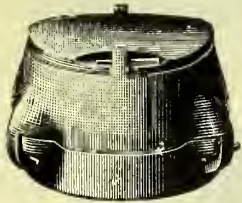


Price, No. 2b Flask Press, with Flask Lifter 8/6

GUN METAL FLASKS—BEST QUALITY.

ALL SIZES GIVEN ARE OUTSIDE MEASUREMENTS.

2. JORDON.



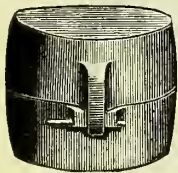
Ex. L'ge, 4 in. x 4 in. x 2 $\frac{1}{2}$ in. deep, 5/6
Large 3 $\frac{3}{4}$ in. x 3 $\frac{3}{4}$ in. x 2 $\frac{1}{2}$ in. ,, 4/9
Medium 3 $\frac{1}{2}$ in. x 3 $\frac{1}{4}$ in. x 2 $\frac{1}{4}$ in. ,, 4/-
Small 3 $\frac{1}{4}$ in. x 3 in. x 2 in. ,, 3/6

Ex. L'ge, 4 in. x 3 $\frac{3}{8}$ in. x 2 $\frac{1}{4}$ in. deep, 5/6
Large 4 in. x 3 $\frac{1}{2}$ in. x 2 $\frac{1}{2}$ in. ,, 4/9
Medium 3 $\frac{3}{4}$ in. x 3 $\frac{1}{4}$ in. x 2 $\frac{1}{4}$ in. ,, 4/-
Small 3 $\frac{1}{4}$ in. x 3 in. x 1 $\frac{1}{2}$ in. ,, 3/6

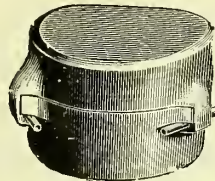
Ex. Large, 4 in. x 3 $\frac{7}{8}$ in. x 2 $\frac{7}{8}$ in. deep, 6/-
Large ... 3 $\frac{1}{2}$ in. x 3 $\frac{1}{2}$ in. x 2 $\frac{3}{4}$ in. ,, 5/3

3 $\frac{1}{2}$ in. x 3 $\frac{1}{4}$ in. x 2 $\frac{1}{8}$ in. deep, 5/-

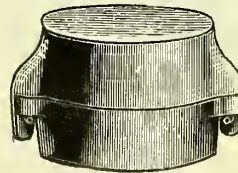
5



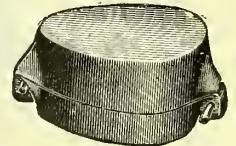
6



7



8



Medium,

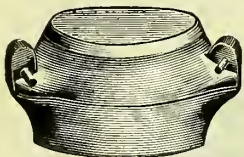
Ex. L'ge, 4 $\frac{1}{4}$ in. x 3 $\frac{3}{4}$ in. x 2 $\frac{3}{4}$ in. deep, 5/-
Large ... 3 $\frac{3}{4}$ in. x 3 $\frac{1}{4}$ in. x 2 $\frac{1}{2}$ in. ,, 4/6

Large, 4 $\frac{1}{4}$ in. x 3 $\frac{7}{8}$ in. x 2 $\frac{1}{2}$ in. deep, 5/3
Medium, 3 $\frac{3}{4}$ in. x 3 $\frac{3}{8}$ in. x 2 $\frac{3}{8}$ in. deep, 4/6

Large, 4 $\frac{1}{4}$ in. x 3 $\frac{3}{4}$ in. x 2 $\frac{1}{4}$ in. deep, 5/6

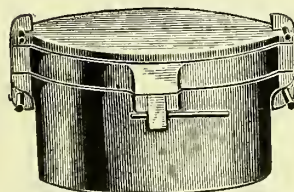
4 in. x 3 $\frac{1}{4}$ in. x 1 $\frac{5}{8}$ in. deep, 4/6
Smaller ... 3/6

9



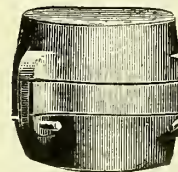
10

Double Flask.

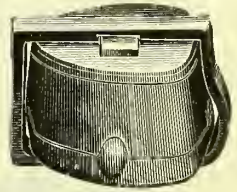


11.

Single and Double Flask.



13. Including Clamps and Wedge.

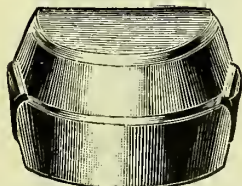


Large, 4 $\frac{1}{4}$ in. x 3 $\frac{7}{8}$ in. x 1 $\frac{7}{8}$ in. deep, 5/3

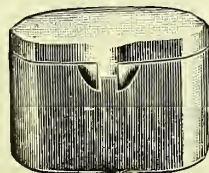
Ex. L'ge, 4 in. x 4 in. x 3 $\frac{1}{4}$ in. deep, 6/-
Large ... 3 $\frac{3}{4}$ in. x 3 $\frac{1}{2}$ in. x 2 $\frac{1}{2}$ in. ,, 5/6

Large, 4 in. x 3 $\frac{3}{4}$ in. x 2 $\frac{3}{8}$ in. deep, 5/6
Medium, 3 $\frac{1}{2}$ in. x 3 $\frac{3}{8}$ in. x 2 $\frac{1}{8}$ in. deep, 4/6

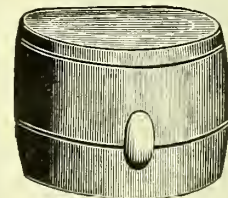
14



15



17

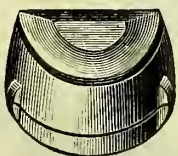


Large, 3 $\frac{3}{4}$ in. x 3 $\frac{1}{2}$ in. x 2 $\frac{3}{8}$ in. deep, 4/6

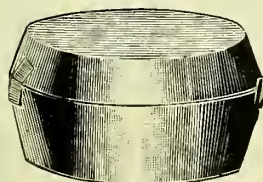
Large, 3 $\frac{3}{8}$ in. x 3 $\frac{1}{4}$ in. x 2 $\frac{3}{8}$ in. deep, 4/6

Large, 3 $\frac{7}{8}$ in. x 3 $\frac{1}{2}$ in. x 2 $\frac{3}{8}$ in. deep, 5/-

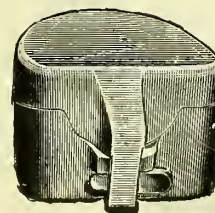
18



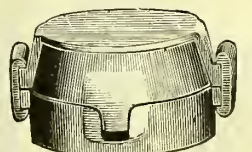
19



20



21



Large, 4 $\frac{3}{8}$ in. x 3 $\frac{7}{8}$ in. x 2 $\frac{3}{8}$ in. deep, 5/-
Medium, 3 $\frac{3}{4}$ in. x 3 $\frac{1}{2}$ in. x 2 $\frac{1}{4}$ in. deep, 4/6

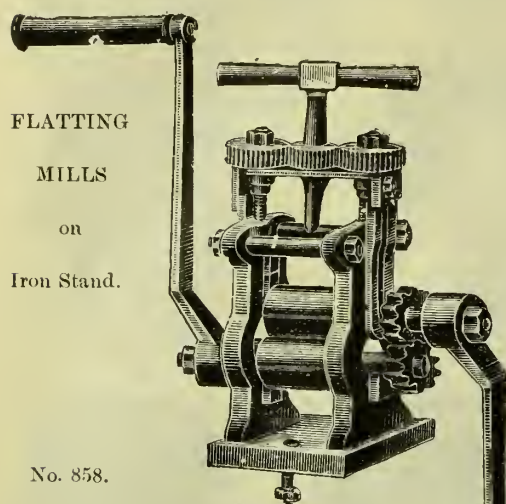
Large, 3 $\frac{7}{8}$ in. x 3 $\frac{3}{4}$ in. x 1 $\frac{5}{8}$ in. deep, 4/6

Large, 4 in. x 3 $\frac{3}{4}$ in. x 2 $\frac{1}{2}$ in. deep.
Loose Bottom ... 6/3
Solid do. ... 5/9

4 in. x 3 $\frac{1}{2}$ in. x 2 $\frac{1}{8}$ in. deep, 5/-

JEWELLER'S FLATTING MILLS and WIRE MILLS.

We guarantee all Mills to be of the very
Finest Quality.



FLATTING
MILLS
on
Iron Stand.

No. 858.

Quotations submitted for Combined
Mills with Motor.

We have now the Sole Agency for
Mills as shown in Catalogue, which,
having been on the market for many
years, we can thoroughly recommend

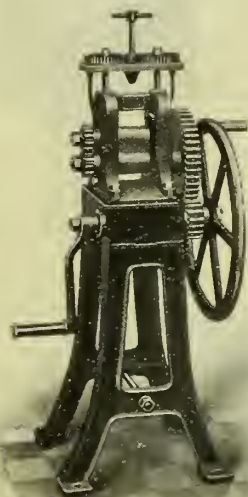
All Mills are tested before sent out,
being made of Solid Steel Hardened
Rolls, Cast Steel Cogs, and Iron
Stand.



No. 859.

Inches.			Prices Without Stand.	Prices With Column Stand.
Rolls 2 $\frac{3}{4}$ long	...	...	83/-	100/-
" 2 "	...	...	99/-	105/-
" 3 "	...	...	112/-	125/-
" 3 $\frac{1}{2}$ "	...	...	127/-	140/-
" 4 "	...	...	140/-	160/-
" 4 $\frac{1}{2}$ "	...	...	164/-	185/-
" 4 $\frac{3}{4}$ "	...	...	199/-	210/-

Inches.			Prices Without Stand.	Prices With Column Stand.
Rolls 2 $\frac{3}{4}$ long	...	...	68/6	75/-
" 2 $\frac{3}{4}$ "	...	...	72/-	80/-
" 3 $\frac{1}{4}$ "	...	...	90/-	97/6
" 3 $\frac{1}{2}$ "	...	...	106/-	110/-
" 4 "	...	...	116/-	130/-
" 4 $\frac{1}{2}$ "	...	...	133/-	140/-
" 4 $\frac{3}{4}$ "	...	...	140/-	165/-



No. 861.

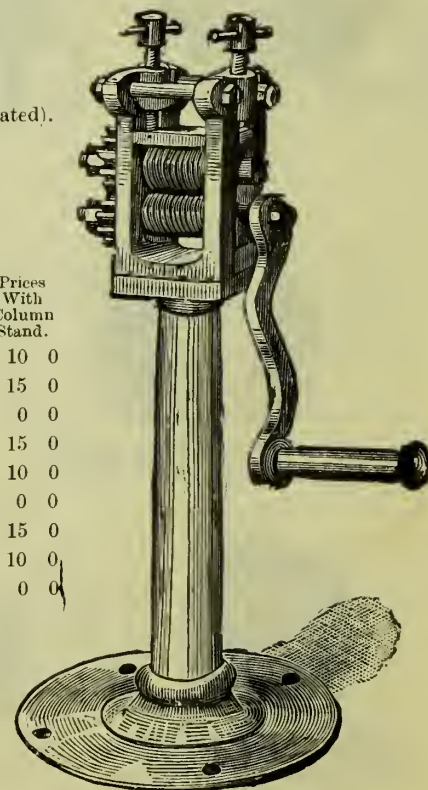
FLATTING MILLS with Fly Wheel and Multiplying
Power on heavy Iron Stand with simultaneous pressure
motion, and frames out wrought iron for reducing
small ingots without the aid of motive power

WIRE MILL ON STAND (as illustrated).

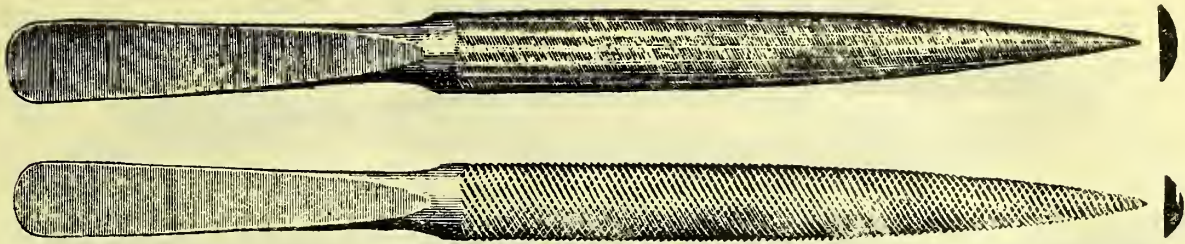
One Handle with Wire Mills.

Two Handles with Flattening Mills.

No.	Length of Roller.	Prices Without Stand.	Prices With Column Stand.
0.	2 inches	£8 15 0	£9 6 0
" 1.	2 $\frac{3}{4}$ "	9 10 0	10 7 0
" 2.	3 "	10 11 0	11 8 0
" 3.	3 $\frac{1}{2}$ "	11 8 0	12 9 0
" 4.	4 "	13 2 0	13 16 0
" 5.	4 $\frac{1}{2}$ "	14 7 0	15 7 0
" 6.	4 $\frac{3}{4}$ "	16 8 0	16 16 0
" 7.	5 "	18 3 0	19 16 0
" 8.	6 "	19 5 0	20 16 0
" 9.	6 $\frac{1}{2}$ "	36 12 0	38 8 0
" 10.	8 "	45 2 0	47 5 0



No. 860.

ENGLISH MADE FILES**Price of our English Files.**

4½-ins. Extra Rough, Rough and Bast	... per doz.	6/6
4½ " Second Cut	... "	7/-
4½ " Smooth	... "	7/6
5 " Extra Rough, Rough and Bast	... "	7/-
5 " Second Cut	... "	7/6
5 " Smooth	... "	8/-

*Also see Illustrated List.***SPECIAL.**

Note—We have introduced also a **NEW FILE**
(Oval) no flat side.

Containing Cuts as follows—

Bast and Rough	... per doz.	7/6
Bast and Second Cut	... "	7/6
Bast and Smooth	... "	8/3
Smooth and Super	... "	10/-

This not only saves trouble in changing Files for work as required, but is a saving in price.

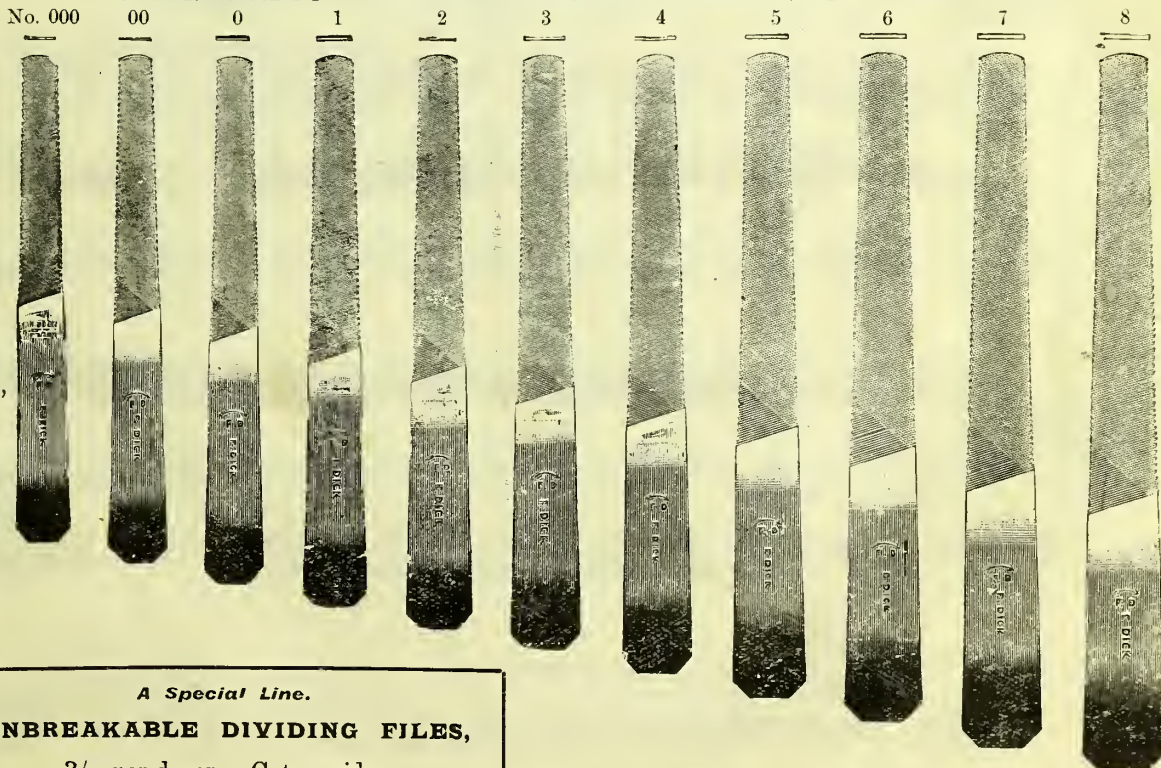
FIG. 11.

TUBE FILES, Etc.From **1/3** per doz.**STUMP FILES.**

6d. each upwards.

HERBST'S ROTARY FILES

For Handpiece,
S.S. White's **2/-** each.

S.S.W. "FLEXO" SEPARATING FILES.**4/2** per dozen.**DIVIDING FILES.** Best Quality, English or Foreign, **2/9** per dozen.

Cut on one side,
per **2/9** doz.

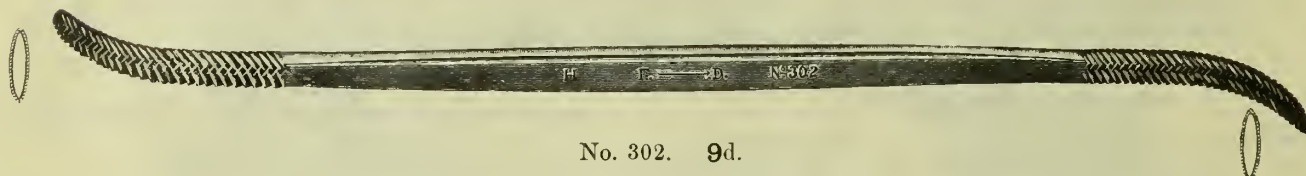
Cut on both sides,
per **3/-** doz.

*A Special Line.***UNBREAKABLE DIVIDING FILES,****3/-** per dozen. Cut on side.

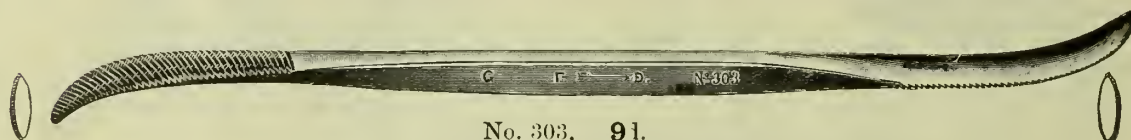
RIFFLERS.



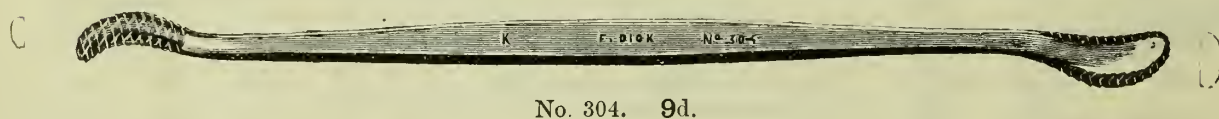
No. 301. 7d.



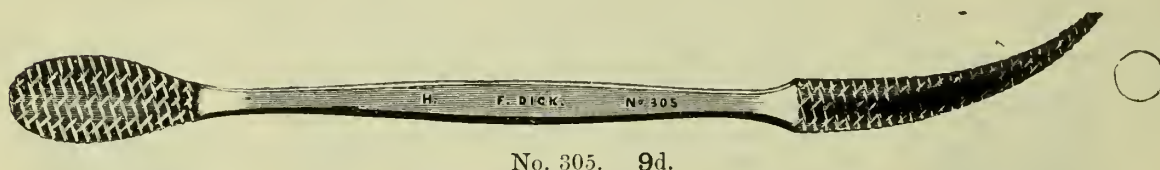
No. 302. 9d.



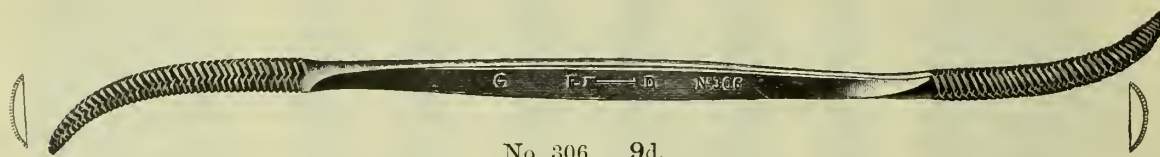
No. 303. 9l.



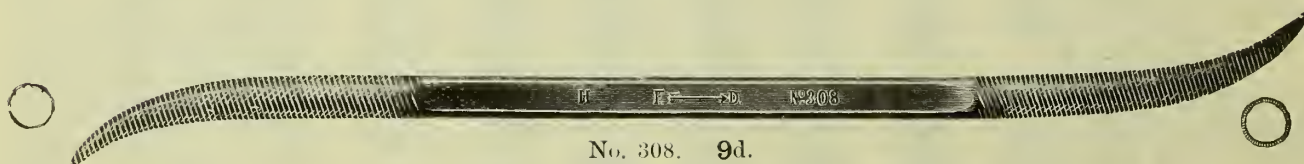
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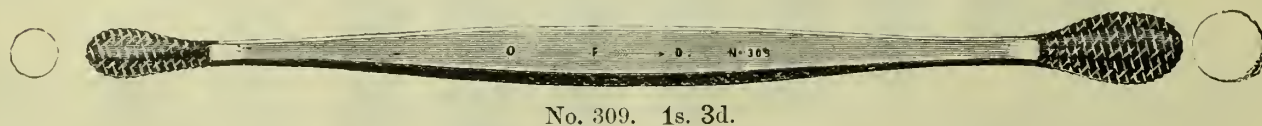
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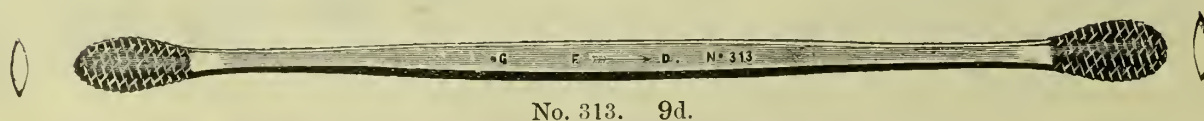
No. 306. 9d.



No. 308. 9d.



No. 309. 1s. 3d.



No. 313. 9d.

RIFFLERS—*continued.*



No. 314. 9d.



No. 315. 8d.



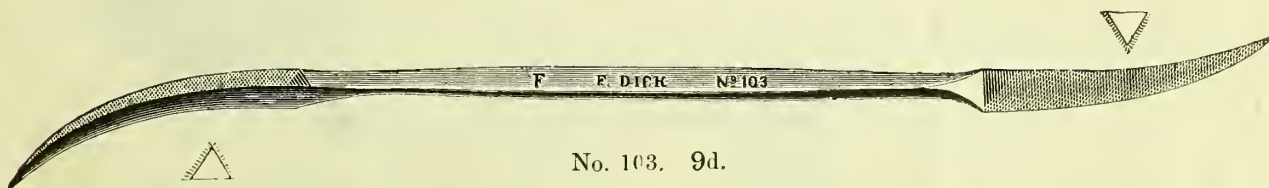
No. 326. 9d.



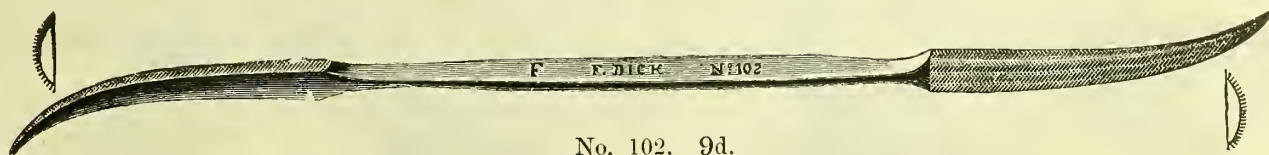
No. 327. 11d.



No. 325. 1/-



No. 103. 9d.



No. 102. 9d.



No. 108. 9d.

FOILS, Etc.

Dr. Williams' GOLD FOIL	...	17/6	per 1-8th oz.
TIN FOIL for Swaging, No. 1, 2, 3, 4, 5	...	3/-	per lb.
TIN FOIL	...	...	per book, from 1/6 each
S.S.W. TIN FOIL	...	...	2/4 each
TIN FOIL (Extra Tough S.S.W.)	...	1/8	each
LEAD FOIL	...	6d.	per lb.

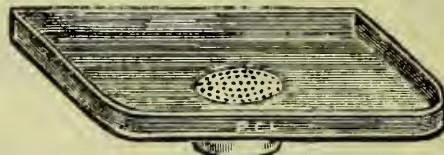


FOIL MANIPULATORS. 2/6 each.

FOIL CASES

(Leather)

Lined inside with Chamois, 3/-



FILING TRAYS. 2/3 each.

DENTYSILK

*Needed in every home on the Toilet Table, in the Bath Room.**Indispensable in the Dentist's Surgery.*

TO DENTISTS.

You will appreciate the convenience of the Belding **Dentysilk** container with which we furnish a patented and nickelled holder and screws, *free*, to fasten to the wall. No more dental floss on your work table.

You draw out and cut the required length of **Dentysilk** with one hand. We believe it is what you have been waiting for.

The container is dust proof and germ proof, sanitary in every respect.

Its cleanliness, the novel cutting device, the regulated tension and neatness of appearance as a fixture in your office are features that are bound to appeal to you.

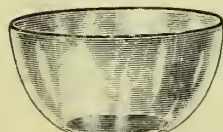
Price 5/=-, 150 yards in holder as shown.

Totally Enclosed.

Germ Proof.

Dust Proof.

Absolutely Sanitary.



Sc 1/4

FINGER BOWLS.

5 1/2-inches diam.

White	...	1 3
Amber	...	1 6
Blue	...	1 6
Red	...	1 9

FOIL
SCISSORS

See

Scissors.



P.C.L. FLOSS SILK (waxed).

4d. per Reel.

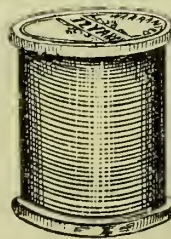
3/- per doz. Reels.

S.S.W., 5d. Reel, 4/2 doz.

J. & J. do.

Waxed 4d., 3/6 doz.

Unwaxed 3d., 3/- doz.



CRUCIBLE FURNACES, etc.

No. 836.

NEW PATTERN UNIVERSAL FURNACE

A new and simplified pattern of the well-known "Injector" Furnace with the advantages of the "Concentric Jet" pattern.

For all high temperature work up to the melting point of Tool Steel and Nickel.

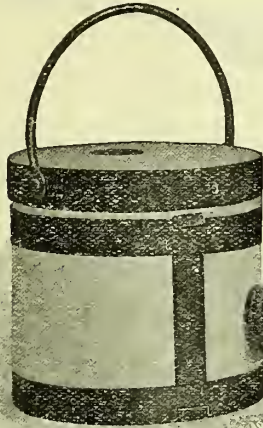
The Burner is made without ganze, and the position of the same being stationery, absolute precision in working is obtained, the gas and air supplies only require regulating.

No. 00 size, taking crucible $2\frac{1}{4}$ -ins. by 2-ins ;
capacity $\frac{1}{8}$ lb.

Price - - 8/6

Extra Crucibles—

Fireclay - - 1½d.
Salamander - - 3d.



No. 837.

IMPROVED INJECTOR FURNACE

We strongly recommend this as an improvement on the Injector Furnace for all work, not only as regards the available margin of power, but also the ganze in the burner is at a safe distance from the furnace, and not liable to damage at very high temperatures. As with the ordinary Injector Furnace the power depends entirely on the air pressure, the bore of the air jet, and the gas supply.

To take No. 00 Crucibles, capacity $\frac{1}{8}$ lb.
iron 12/6
To take No. 1 Crucibles, capacity 2 lbs.
iron 14/6
To take No. 3 Crucibles, capacity 6 lbs.
iron 23/-
To take No. 6 Crucibles, capacity 12 lbs.
iron 32/-

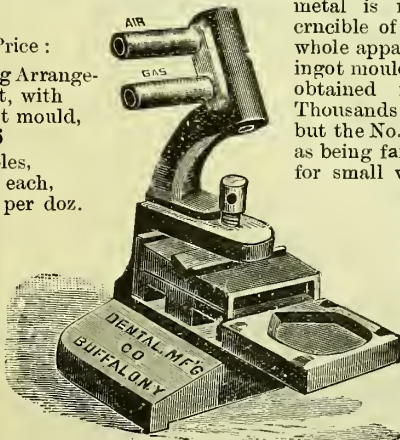
Any parts can be obtained for renewals.

The No. 9 size Foot Blowers will work the No. 00 and No. 1 at full power, the others require the No. 10 size Foot Blower.

No. 8 D. MELTING ARRANGEMENT FOR GAS

For melting up to two ounces of gold or silver rapidly, without the use of a furnace. In this arrangement the two parts of the ingot mould slide on each other, to enable ingots of any width to be cast, and the blow-pipe is part of the rocking stand. When the metal is melted in the shallow crucible of moulded carbon, till the whole apparatus over so as to fill the ingot mould. A sound ingot can be obtained in about two minutes. Thousands of the No. 8 are in use, but the No. 8D is considered by many as being far superior to any furnace for small work. Very bulky scrap should be run into a mass before being placed in the crucible. The No. 10A Blower must be used with the 8D Melting Arrangement. No. 8D ingot mould will cast an ingot 2 ins long by $\frac{1}{8}$ in. thick, and any width from $\frac{1}{8}$ in. down.

Price :
Melting Arrangement, with
ingot mould, 2/6
Crucibles,
1. each,
6 per doz.



No. 492

NEW MELTING ARRANGEMENT

This is a simple modification of the well-known pattern for producing 3-oz. ingots from scrap in one minute or less. As in the other patterns, the ingot can be made any required width, the only difference being that a separate blowpipe is used instead of the fixed one; this, of course, admits of the blowpipe being used for general workshop purposes also.

Price, as engraved, 5/- each.
Crucibles, 3d. each, 2/6 doz.
Slides for Crucibles, 2d. each.



No. 495

FIRECLAY DOME AND BURNER.

No. 833. Size 1.



This consists of a porous fireclay dome bound at the base in wrought iron and fitted with galvanized iron handle placed on one of our No. 721 burners, will heat a block of iron over 1-lb. weight, to clear redness with the ordinary burner, as engraved, without the assistance of a blowpipe or blast of air.

Inside size $4\frac{1}{2}$ -inches diameter, 2 inches high, taking work up to 3 inches diameter.

SIZE 1.

Price: Burner	...	...	...	1/6
Dome	...	...	...	4/-
Complete	...	...	...	5/6

SIZE 2. Larger Size.

	Size,	diameter,	high.	
Price: Burner	...	...	...	2/3
Dome	...	...	...	6/-
Complete	...	...	...	8/3

A heavy substantial form taking ladles 7 ins. diameter, but so constructed that various depths of ladles can be used, the ladles always remaining perfectly level.

The burner is detachable and can be used in the workshop for any other purpose for which a high power burner is required.

The burner used is one of our special high power burners fitted with air adjuster working perfectly with gas from 1 to 8 in pressure.

Average Duty $2\frac{1}{2}$ -lbs. lead melted for one cubic foot of gas consumed.

Price Complete, including Skimmer 10/6 each.

No. 830A. Size 2.

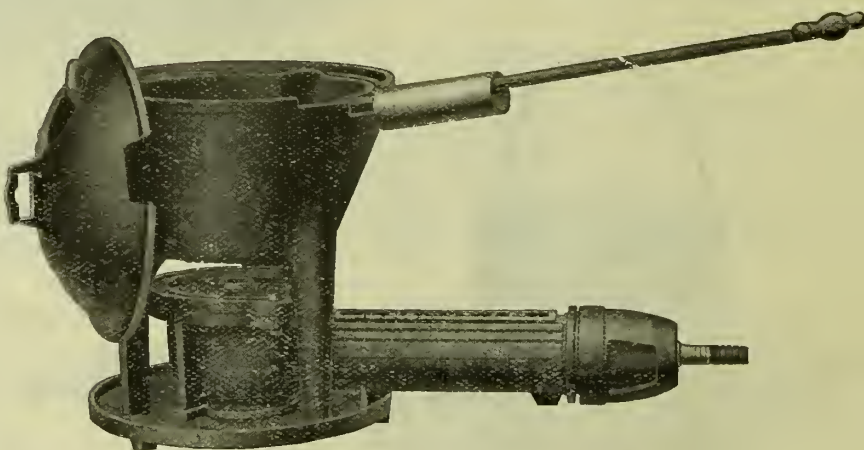
Is made to take ladles $8\frac{1}{2}$ ins. wide, $4\frac{1}{2}$ ins. deep, outside measure.

Price, complete with ladle bowl without handle,

21/-.

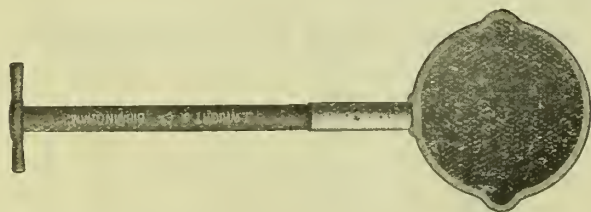
Special handles to order.

LADLE FURNACE.



No. 830. Size 1.

ZINC AND LEAD LADLES.



No. 831. For use with Small Ladle Furnace.

These ladles are made with cast iron (for lead) and malleable iron (for zinc) bowls, with lip at both sides for pouring. The handles are fitted with a sliding grip to be pushed to the cool end of the handle whilst the metal is being heated, the grip thus remaining always cool. Perfect steadiness is assured when pouring from either side of the bowl.

Price of Ladle with Cast Iron Bowl, Complete 4/- each.

"	"	Malleable	"	"	6/6	"
Extra Cast Iron Bowl	...	...	...	...	1/3	"
"	Malleable	"	...	...	3/9	"

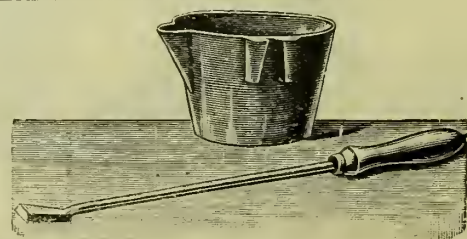
No. 832. ORDINARY WROUGHT IRON LADLES.

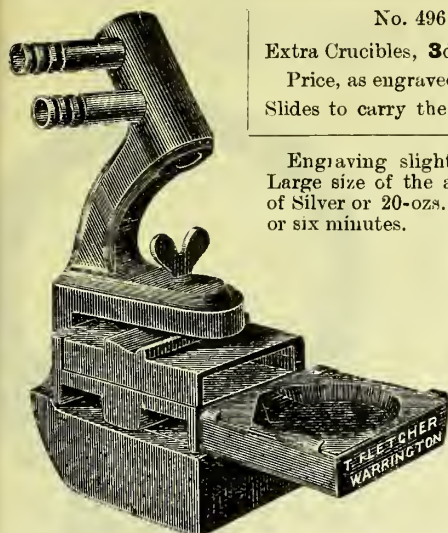
2-in.	3-in.	4-in.	5-in.	$5\frac{1}{2}$ -in.	6-in.	7-in.	8-in.
6d.	7d.	10d.	1/1	1/4	1/6	1/9	2/3

Ladle with Detachable Handle.

As illustrated.

1/6 each.





No. 496. FIG. 1.

Extra Crucibles, 3d. each, 2/6 per doz.

Price, as engraved. 3-oz. size, 12/6.

Slides to carry the Crucibles, 2d. each.

Engraving slightly under half size. Large size of the above to melt 14-ozs. of Silver or 20-ozs. of 18-ct. gold in five or six minutes.

Price ... 27/6.

Extra Crucibles,
7d. each.

This requires $\frac{1}{2}$ -inch gas supply and Foot Bellows, No. 9A or 10A.

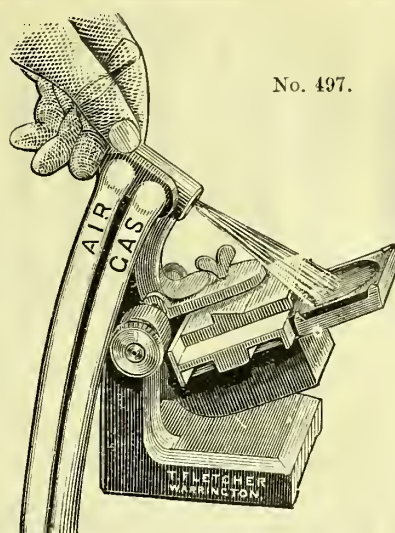


FIG. 2.

No. 497.

Price ... 14/6.

Extra Crucibles,
3d. each.

2/6 per dozen.

The same arrangement as above, on heavy swivel stand, to prevent risk of pulling over by the weight of the rubber tube when not held by the hand. Small size only, for 3-oz. ingots. This addition is unnecessary in the large size.

No. O. PORTABLE QUICK HEATING SET POT.

No. 829.

For Melting Lead, &c.



This is a most compact and portable article, capable of melting 7 $\frac{1}{2}$ -lbs. of metal in twelve minutes starting all cold. The handle serves the double purpose of lifting the lid and the ladle, being dovetailed to fit in slot on the latter. The burner is a new pattern specially designed for this furnace.

Sizes over all (including burner and lid), 13-inches wide, 9 $\frac{1}{2}$ -inches high. Inside Sizes of Pot: 4 $\frac{1}{8}$ -inches diameter, 2 $\frac{1}{2}$ -inches deep. Capacity, 7 $\frac{1}{2}$ -lbs.

Price (as engraved), complete,
10s 6d.

No. 485. FURNACE TONGS.

Furnace Tong^s with straight or bent jaws, as Fig. 1.

Fig. 1.



Size	10	12	15	16	18	20	22	24	26	30	36 ins. long.
Price	9d.	9d.	1/-	1/3	1/6	1/9	1/10	2/-	2/6	3/-	3/9 each.



Fig. 2.

30 inches long.
Price, 3/- each.

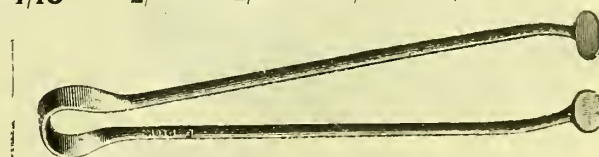
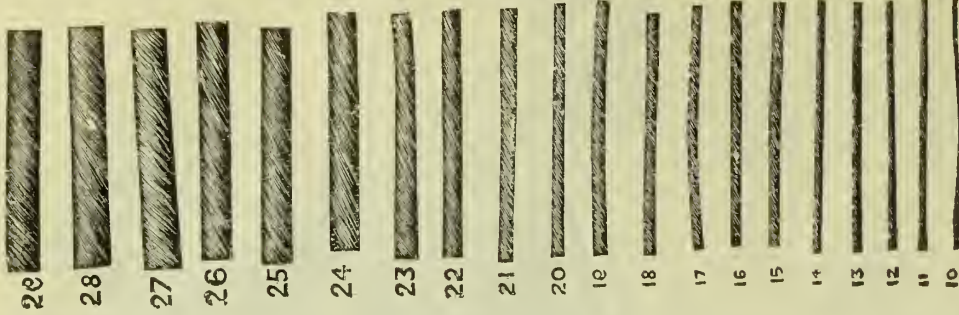


Fig. 3.

6 9 12 inches long.
Price 1/- 1/6 2/6 each.

No. 856. CATGUT.



Per Hank, 6 yards ... 2/3 1/9 1/6 1/3 1/2 1/- 10d. 8d. 6d. 4½d. 3½d. 2½d. 1½d.

Suitable for Drill Bows—

Sizes	A	B	C	D	E	F	G	H	I	J
Price	1d.	1½d.	2½d.	3½d.	4½d.	5½d.	7d.	8d.	10d.	1/- per hank

Suitable for Lathe Bands—

Sizes in Birmingham Wire gauge...	9	10	11	12	13	14
Price	1/9	1/6	1/4	1/3	1/2	1/- per 6 yard hank

Wired Gut for drill bows, 2½d. per hank, 2/3 per doz.

GUT—cut to any size.

1/8 inch	3d. per yard	1/8 inch	6d. per yard	1/4 inch	1/3 per yard
3/16	3½d. "	1/4	8½d. "	5/16	1/6 "
1/4	4d. "	5/16	1/- "	3/8	3/- "
5/16	4½d. "	3/8	1/1 "		

No. 863.

METALLIC GAS TUBING



1/8 inch Internal Bore	9d. per y
1/6	1/5
3/8	1/6
1/2	1/8

Connections 3d. and 4d. per pair.

No. 861.

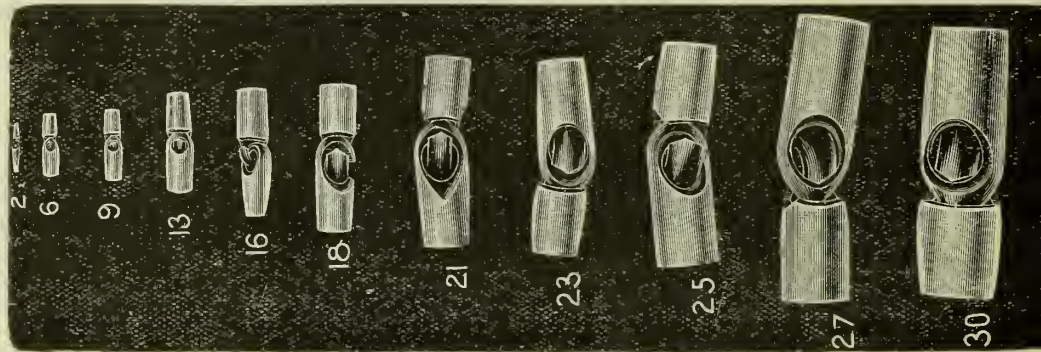
ROUND LEATHER BELTING.



Dm.	1/8	3/16	1/4	5/16
Price	2½d.	3d.	4d.	4½d.

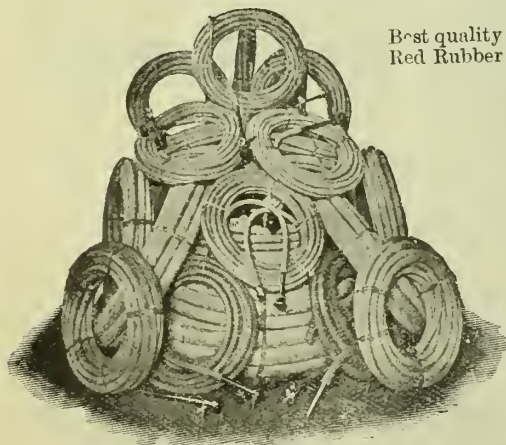
Dm.	3/8	7/16	1/2 in.
Price	8d.	10d.	1/- ft.

No. 857. HOOKS AND EYES FOR GUT.



All sizes up to	1/4 in.	5/16 in.	3/8 in.	7/16 in.	1/2 in.	5/8 in.	3/4 in.	7/8 in.	1 in.
Price per pair	6d.	7d.	8d.	9d.	10d.	11d.	1/-		

No. 862 RUBBER GAS TUBING.

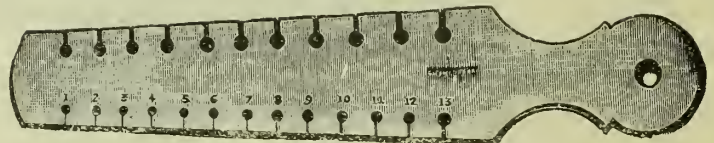


Best quality
Red Rubber

1/8 inch Internal Bore	7d. per yard
1/6	9d. "
1/4	10d. "
5/16	11d. "
3/8	1/2 "

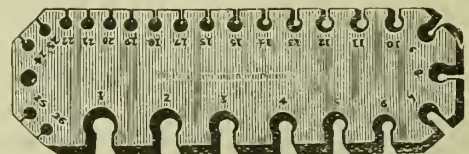
Best quality Grey Tubing Wired, 1/8 in., 1/- per yd.

GUAGES.



No. 434. METAL GUAGE. Guaranteed Accurate.

Sizes 1 to 16	Long or Round Shape	Price 3/6 each
" 1 to 24	"	4/6 "
" 1 to 30	"	6/6 "
" 1 to 36	"	8/6 "



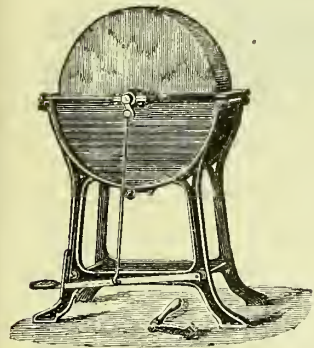
No. 437. STANDARD WIRE GUAGE. Shakespeare.
26 sizes, 5/6; 36 sizes, 7/6 each. Cheap pattern, 4 to 24, 3/- each.

No. 438. IMPERIAL STANDARD WIRE GUAGE.
Decimally marked on reverse side—Round pattern, 11/6 each.

BEST GRINDSTONES (Mounted in Iron Troughs).

All fitted with extra strong turned wrought-iron Spindles, and the stones secured with side plates and lock nuts. This method is much superior to the ordinary mode of fixing by wedges, as the risk of splitting is avoided.

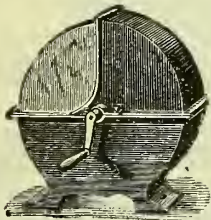
Frames Painted Two Coats Blue Enamel.



Size of Stone in inches.	Without Hood.		With Hood.	
	No. 3031. With Ordinary Bearings.	No. 3032. With Improved Roller Bearings.	No. 3033. With Ordinary Bearings.	No. 3034. With Improved Roller Bearings.
	s. d.	s. d.	s. d.	s. d.
16 by 3	31 6 each	34 0 each	35 0 each	38 0 each
18 „ 3	33 0 „	35 6 „	37 6 „	40 0 „
20 „ 3	37 6 „	40 0 „	42 6 „	45 0 „
22 „ 3½	43 6 „	46 0 „	49 0 „	51 6 „
24 „ 3½	47 6 „	50 0 „	53 6 „	56 0 „

French Pattern GRINDSTONE

No. 604



Iron Frame Grindstones.

Size	5 in.	6 in.	7 in.	8 in.	10 in.	11 in.	12 in.
Price	2/6	3/6	4/-	4/6	5/6	9/6	12 6 ea.

Be sure to write for P.C.L. QUARTERLY

*An Up-to-date Journal
containing Useful In-
formation for the Dentist*

New Tools. Instruments. Chairs, etc.
Published January, March, June and Sept. Sent post free.

GUTTA PERCHA.

Harvard Permanent G.P.	..	..	..	..	..	per ½ oz.	3/-
Harvard Temporary G.P.	..	..	..	..	..	„	1/8
Alva Temporary G.P. Assorted	..	..	..	..	..	per packet,	1/6
Gilbert's Temporary G.P., White, Pink or Assorted	..	..	..	..	..	per packet, 2/-; 6 packets, 11/-; 12 packets,	20/-
Hill's Temporary G.P. in ¼ oz. or ½ oz. packets	..	..	..	..	..	per oz.	20/-
Pedley's Temporary G.P.	..	..	..	..	..	„	2/-
S. S. White's Temporary G.P.	..	..	..	..	..	per packet	1/3
Flagg's Permanent G.P.	..	..	..	..	..	per ½ oz. packet	4/6
Jacob's Permanent G.P. Tablets	..	..	..	..	..	per box	4/-
Pellets (No. 1 Whitish, No. 2 Brownish)	..	..	..	..	..	per bottle	4/-
Premium G.P. Stopping, ¼ and ½ oz. boxes, in sticks or pellets	..	..	..	..	..	per oz.	4/-

NITROUS OXIDE GAS, CYLINDERS & APPARATUS

Nitrous Oxide Gas, Guaranteed Pure, 5/- per 100 Gallons.



VERTICAL CYLINDER.

VERTICAL

NITROUS OXIDE GAS CYLINDERS

Capacity.	Sizes		Prices.		
Gallons.	Inches.		£	s.	d.
25 ...	7½	by 2½	0	10	6
50 ...	9	by 3	0	12	6
100 ...	12½	by 3½	0	15	6



HORIZONTAL CYLINDER.

HORIZONTAL

NITROUS OXIDE GAS CYLINDERS

Fitted with Dr. C. E. Sheppherd's Tubes to prevent any liability of the Gas Freezing in the Valves.

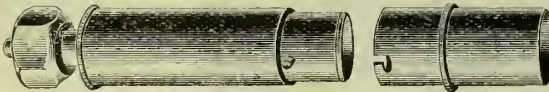
Capacity.	Sizes.		Prices.		
Gallons.	Inches.		£	s.	d.
25 ..	7½	by 2½	0	10	6
50 ...	9	by 3	0	12	6
100 ...	12½	by 3½	0	15	6

All Gas Cylinders sold by us are made of Solid Drawn Mild Steel, and are thoroughly tested by the Manufacturers.
We make Special Effort to send all Gas Orders by return.

OXYGEN GAS

	12 Gallons	25 Gallons.	N ₂ O Size,	Price (Gas only)	..	..	s.	d.
For Inhalation. Guaranteed 98 per cent. purity.	21	50	" "	" "	..	..	1	0
	42	100	" "	" "	..	..	1	8
			" "	" "	..	..	3	0

GAS SILENCER

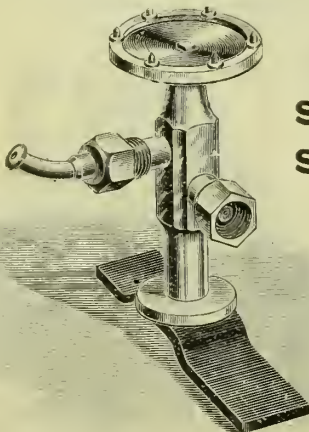


Lacquered or Plated 7/6
(Please state in ordering if required for ¾ in. indiarubber tubing or ⅜ in. Mohair cover ditto)

LEVER KEY



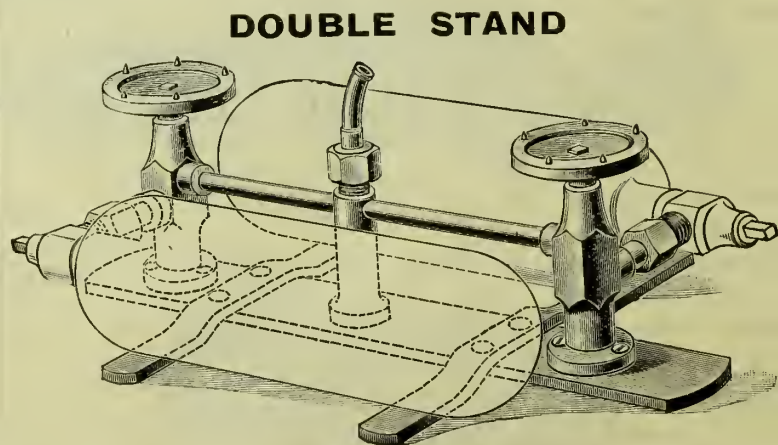
Bell Metal, with Steel Centre ... 2/8 each.
T. Keys 2/6 each.



SINGLE STAND

To enable the operator to use a Vertical Cylinder in a horizontal position. Very little effort is needed to effectually close the Valve of the Pedal attachment suitable for 50 or 100 gallon Cylinder.

Price 12/9

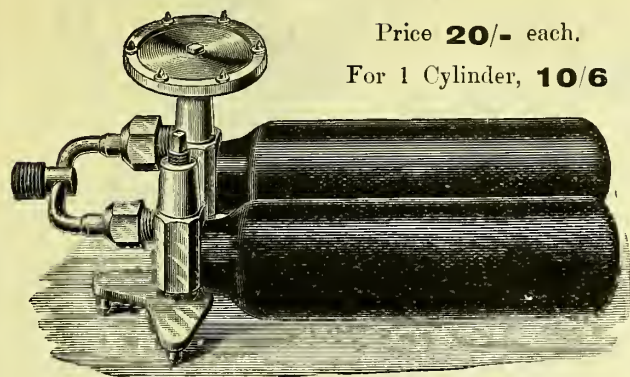


DOUBLE STAND

To enable the operator to use a Vertical Cylinder in a horizontal position as above.

Price 22/6 each.
Upright for same ... 5/6 each.

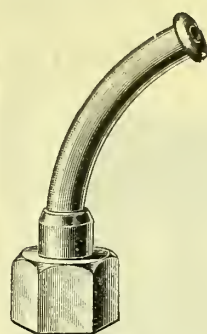
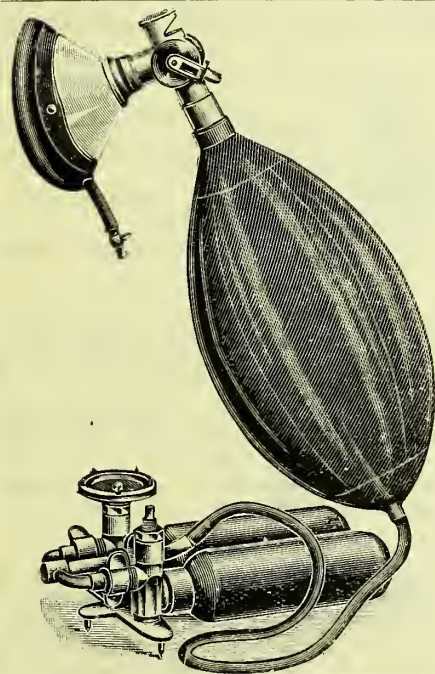
HORIZONTAL STAND.



Price **20/-** each.
For 1 Cylinder, **10/6**

Complete, with two Fly Nuts, Foot Key, Double and Single Union and Spanner. All parts thickly plated or lacquered.

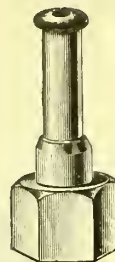
This form of apparatus is portable, and will be found very convenient for Anæsthetists when visiting their patients. For 25-50 or 100 gal. Cylinder.



SINGLE UNION.

LACQUERED OR NICKEL-PLATED

Curved	..	...	2/-
Straight	...	...	1/9



UPRIGHT GAS STAND

To hold 2 ordinary Cylinders, either
50 to 100 gallon size.

Plug for Valve when one Cylinder
only used.

28/- each. Cylinders extra.



Dr. Hewitt's Pattern Apparatus for Nitrous Oxide

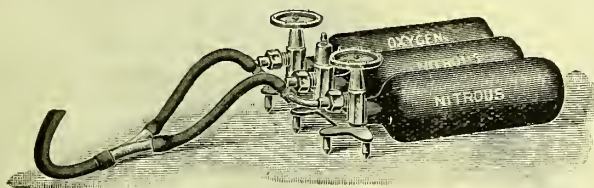
GUARANTEED BEST ENGLISH WORKMANSHIP THROUGHOUT.

Fig. 660. DR. HEWITT'S PATTERN APPARATUS FOR NITROUS OXIDE, complete with Seamless Celluloid Facepiece, detachable India Rubber Pad and Stopcock. "Hewitt's" Valved Stopcock, 3 gall. I.R. Bag and 5 ft. Black Vulcanised I.R. Tubing.

If Black I.R. Tubing is supplied, 45/- each.

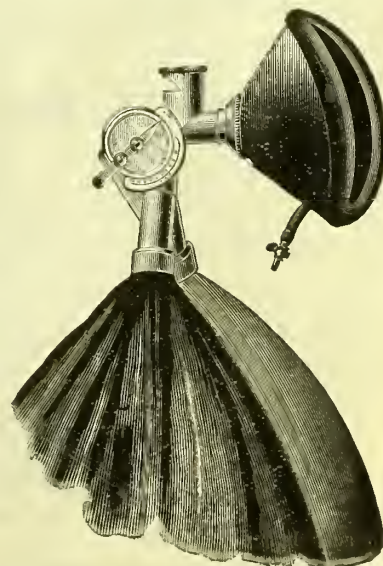
Dr. Hewitt's Pattern— mproved Apparatus.

For the Administration of Nitrous Oxide
and Oxygen, separately or in
combination.

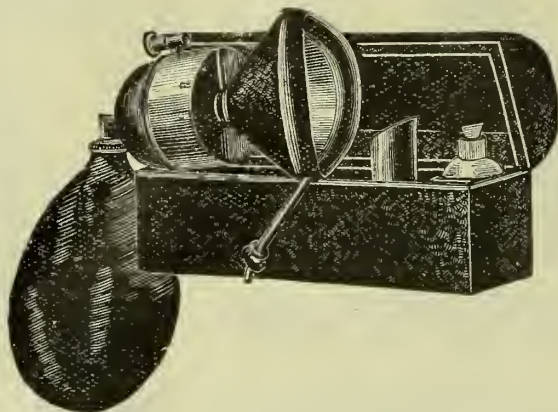


	£	s.	d.
Stopcock	2	5	0
Face-piece	10	6	
Triple Gas Stand, etc., and 2 Foot Keys	17	6	
Double Union	7	6	
2 Single Unions at 1/9	3	6	
Double Bag, Tubing Mounts, etc.	1	15	0
	£5	19	0

Gas Cylinders extra.



CLOVER'S ETHER APPARATUS.

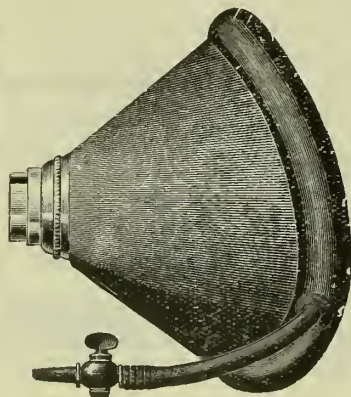


Containing improved Ether Chamber, Measure,
Ether Bottle, Angle Mount and Bag, in case.
PRICE £2 0 0

Celluloid Face-piece



For use with "HEWITT'S"
N.O. and N.O.
2 2
and Oxygen Stopcocks,
PRICE 11/6 each.

Leather Covered
India Rubber Face-piece.

For use with "HEWITT'S"
N.O. and N.O.
2 2
and Oxygen Stopcocks,
PRICE 10/6 each.

Flexible I.R. Face-Piece,

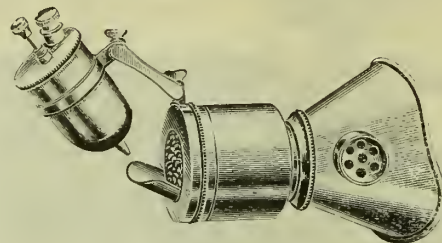
Covered in Leather, with Valves complete, as illustrated.

PRICE: 16/- each.

Seamless, Transparent Celluloid Facepiece, complete with
Valves, Detachable Pads and Vulcanite Tap. Made in
3 sizes.

PRICES: Small, 16/- each.
Medium, 16/- each.
Large, 16/- each.

Detachable Pads for ditto 4/- each.

THE AUTOMATIC
OPEN METHOD INHALER.

(Patent Applied for).

FOR USE WITH ETHER, CHLOROFORM, A.C.E., ETHYL
CHLORIDE, &c., EITHER ALONE OR IN COMBINATION
OR SEQUENCE WITH OXYGEN OR NITROUS OXIDE.

This Inhaler combines the following special features:—

PERFECT REGULATION OF DOSAGE. By means of the automatic regulating drop-bottle attachment, the anæsthetic is allowed to drop into the Inhaler at any required speed. The arm of the drop-bottle is adjustable so that the Inhaler can be held in any position.

STRICTLY OPEN METHOD. There are two valves which prevent any re-breathing.

ASEPTIC. All parts are removable and can be boiled.

CONVENIENCE IN HANDLING. It is light and compact. One hand only is required for this Inhaler.

OXYGEN OR NITROUS OXIDE can be administered by means of a simple additional fitting.

It is wide bore throughout, and is of best English Manufacture.

The anæsthetic is placed in the automatic drop bottle attachment and the dropping is regulated by adjusting the screw in the centre of the lid. The sponge should fit loosely and be of coarse texture.

For oxygen or nitrous oxide insert the special gas fitting between the facepiece and the body of the Inhaler. The tubing from the gas bag is plugged on to this fitting.

If anæsthesia is to be induced with nitrous oxide it is advisable to attach a rubber pad to the facepiece.

PRICES:

Complete, as illustrated, all metal £1 12 6
(It can be supplied with Valve Celluloid Facepiece
at the same price).

Special Gas Fitting £0 7 6

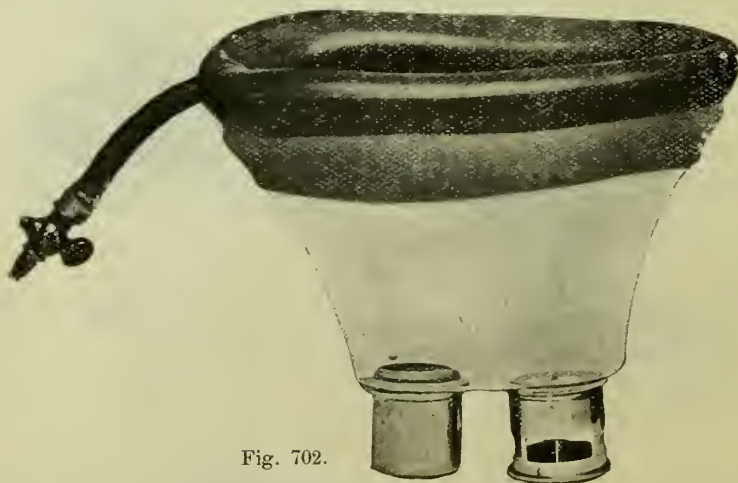
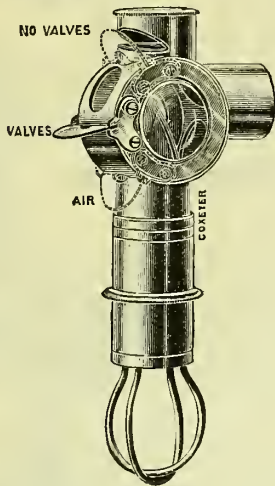
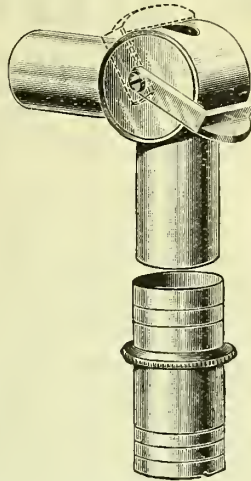


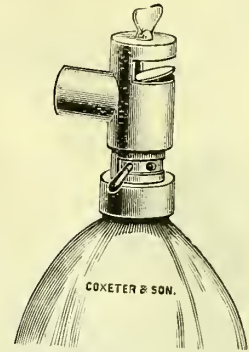
Fig. 702.

THREE-WAY STOPCOCK.

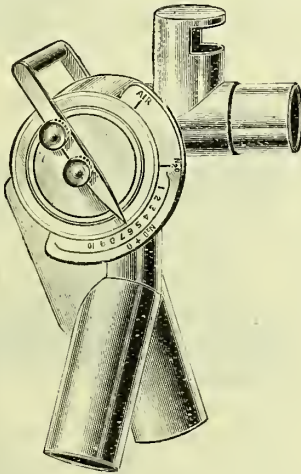
Glass sided ... 16/-
All metal Nickel-plated ... 16/-

TWO-WAY STOPCOCK AND MOUNT.

Lacquered or Nickel Plated ... 7/6

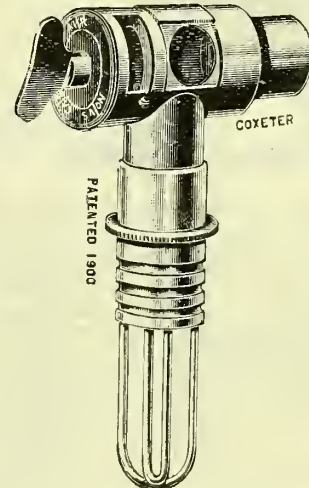
DR. HEWITT'S PATTERN THREWAY STOPCOCK WITH VALVES.

Lacquered or Nickel Plated ... 16/-

Dr. Hewitt's Pattern, Oxygen and N.O. Stopcock.

This Stopcock allows (1) Air, (2) N.O., or (3) N.O. with a proportion of Oxygen to be respired freely through Valves at the will of the administrator. Full printed Instructions given with each Apparatus.

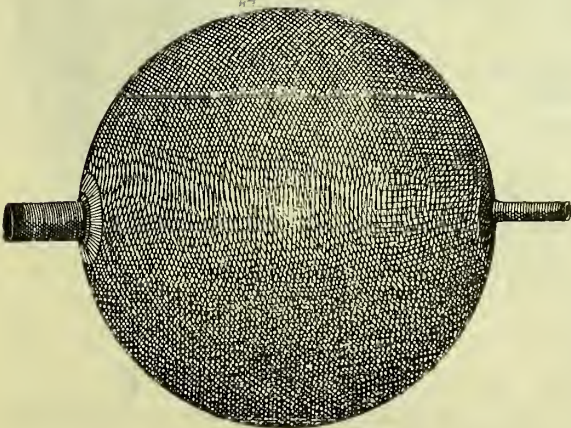
45/-

New Patent Three-way Stopcock and Valves.

With lever at "air," the patient breathes air only through the valves.

With lever at "valves," the passage from gas bag is opened and N₂O is admitted to the facepiece through the valves.

Nickel-plated 16/-

GAS BAGS.**INDIA RUBBER.**

	Extra
	Ordinary Stout
1 Gallon ...	7/6 9/-
2 " ...	9/- 10/6
3 " ...	11/6 13/-
4 " ...	13/- 16/-
5 " ...	15/6 19/-

SILK.

	FOUR COLOURS.
	(All one price)
1 Gallon ... 8/-	Dark Red (figured)
2 " ... 9/6	Light Red "
3 " ... 11/6	Blue "
4 " ... 13/-	Yellow "
5 " ... 15/-	
REVERSIBLE BAG, 3 gallon ...	11/6
SPECIAL MOUNT FOR REVERSIBLE BAG ...	2/6

SUNDRIES.

THICK INDIA RUBBER TUBING ...	5 ft. at 1/- per ft.
MOHAIR COVERED INDIA RUBBER TUBING 7/8 in. diam. at	1/6
INDIA RUBBER FACE-PADS with Vulcanite Stopcocks each	4/-
NEW FIXED PADS TO FACE-PIECES ...	4/6
HEWITT'S GAG PADS ...	4/-
FOOT KEYS, Steel Centres ...	per pair 4d.
VULCANITE TAPS FOR FACE-PADS ...	each 3/6
SUPERIOR METAL TAPS ...	6d.
VULCANITE OR HORN VALVES (inlet or outlet) FOR FACE-PIECES ...	1/4
DOUBLE UNION, Lacquered or Plated ...	1/6
VULCANITE STOPCOCK, to connect BAG and TUBING ...	5/6
	6d.

STRANGWAYS' ASEPTIC INHALER.

FOR NITROUS OXIDE ADMINISTRATION.

C. J. PLUCKNETT & Co., Ltd., Sole Manufacturers.

PATENT APPLIED FOR NO. 2012-09.

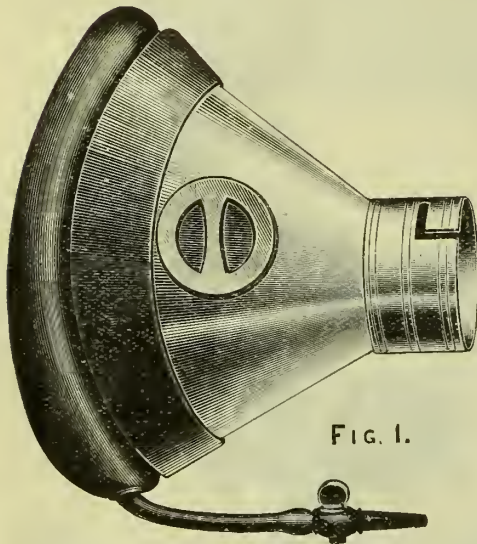


FIG. 1.

The difficulty of adequately cleansing and sterilizing the ordinary Bag mounts and Inhalers led to this Inhaler being designed, with a view to **extreme simplicity and accessibility of working parts.**

It has, moreover been found in practice, that there is the greatest ease and comfort to the Patient, owing to the **absence of complicated valves and the freedom from obstructions to the gas and air ways in the apparatus.**

The face-piece of celluloid (Fig. 1), with removable air pad, contains the only rubber valve in the whole apparatus, and the makers have arranged for this valve to be easily removed or replaced by a pair of dressing tweezers, without any screws or loose parts. The valve is on the right hand side and is of such size that the operator's thumb can instantly throw it out of action if it is desired to do so. The face-piece is also fitted with a bayonet catch so that it cannot fall off as often happens without this device.

The body of the inhaler (Fig. 2), is a simple L shaped tube with no rubber valves and an **absolutely free bore throughout.**

It can be sterilized by heat without damage, and can be cleansed without removing any screws or nuts.

The air way on the upper left hand side is specially large, and an orifice of equal size is constructed from the gas bag.

There are no cross wires to foul, and extreme ease in breathing is secured, as, instead of a segment of a circle, the whole diameter

is open. When not in use the Inhaler can be detached from the bag mount and stood with face-piece upright, and if covered with a bell glass supplied by makers, or kept in a metal box with glass sliding lid, it is secure from flying dust and dirt.

It is recommended **not** to keep Inhaler loose in a drawer as is often done.

The valve for "to and fro breathing" into the bag (Fig. 4), is swung in the bag mount. It is freely accessible and is the only **inspiratory valve that can be lifted in and out instantly** without any screws or nuts to be loosened.

It can be dispensed with altogether if desired; but in that case the gas bag must be kept full in order to ensure face-piece valve working properly. The surgeon's thumb can cover the face-piece valve if to and fro breathing is desired.

If the apparatus is used in this way the breathing is as easy as normal air breathing.

The object of the bag in valve mount, is simply to ensure no breath passing back to mix with the gas.

Fig. 3 shows the complete Inhaler.

All parts are fitted with bayonet catches, and there are **no cross wires in bag**, thus ensuring a clear view of interior of bag. (A novel departure). Moreover, cross wires cannot be properly cleansed and so are dispensed with, the width of bore being ample to keep orifice of bag open.

It is claimed that—

This is the **Simplest Inhaler for Nitrous Oxide gas.**

Is the **most readily cleansed.**

Is the only Inhaler with **no fixed valves whatever.**

Is the only Inhaler where **no screws exist to be removed for cleansing.**

Is the only Inhaler with **clear bore throughout and no cross wires, e.c., to get foul.**

It is the **most easy Inhaler in action** and is economical as well.

Finally it is the **most comfortable for the patient**, and quieter anaesthesia obtained.

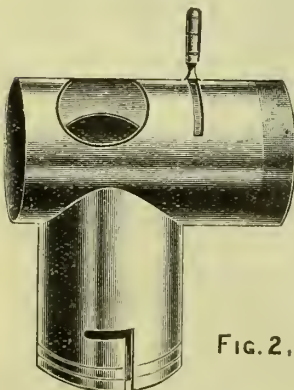


FIG. 2.

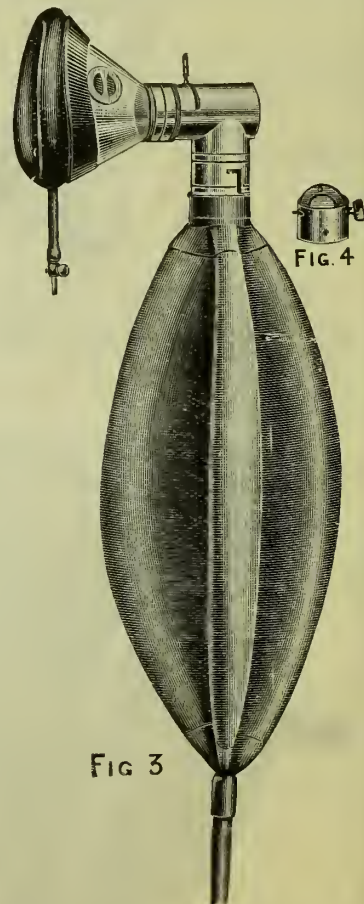


FIG 3

FIG. 4

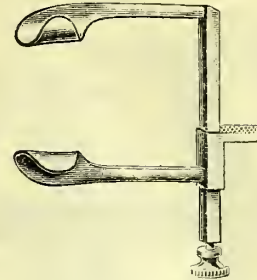
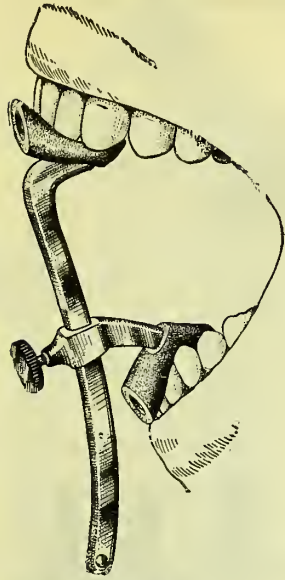
Price - £2 2 0

GAGS, Etc.

THE LORENZ MOUTH PROP.

(Patented May 28, 1907.)

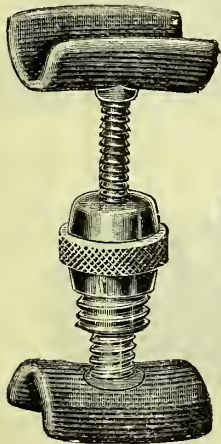
A simple and most effective little device that is attracting the attention of Dentists and Physicians everywhere by its strength, convenience and reliability. It does the work of any of the high-priced mouth-props, does it better, with greater comfort to the patient, and complete safety to the operator. Being very small and compact it does not interfere with operations in either mouth or throat, and, occupying very little space, it may be adjusted to any lateral position in the mouth. Adjustable vertically to any width between jaws to fit any mouth or meet the requirements of the operator. Changes in adjustment are made instantly, and are automatically retained by the natural grip of sliding arm on the upright. The setscrew is used only to fix the adjustment when taken from mouth of patient temporarily. Parts coming in contact with teeth or gums covered with good rubber, insuring comfort and preventing injury. Rubber cushions are very cheaply and easily replaced. While very light in weight, the Lorenz Mouth Prop has more than sufficient strength to resist the pressure of the strongest jaws. Being very simple, it is quickly and easily sterilised and kept in sanitary condition. Price, 5/- each.



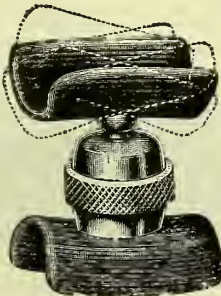
GOSSETT'S ASEPTIC MOUTH GAG.

This improved gag, made on the principle of Gossett's well-known Retractor, will be found most useful in all protracted operations about the mouth. It is self-retaining, clean in use, and the absence of springs prevents any possibility of jamming.

Price, nickel-plated, 5/- each.



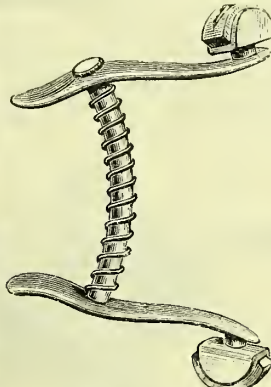
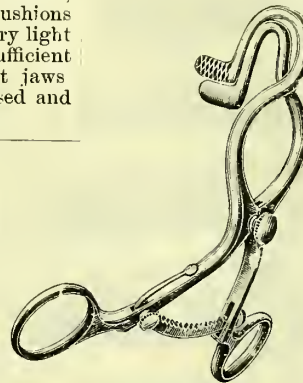
THE TELESCOPIC GAG.



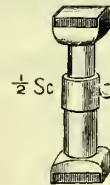
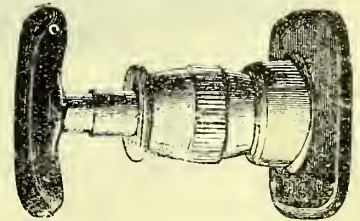
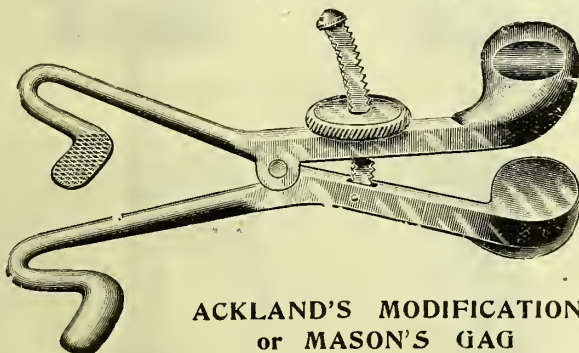
OPEN

SHUT

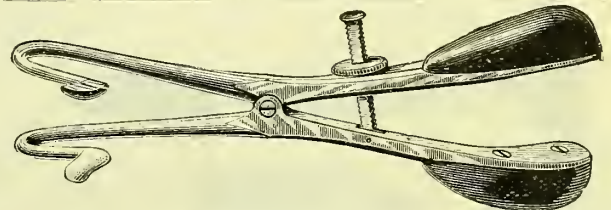
This Gag will answer for the full set of Buck's Gags. It is composed of three screws working one within the other, and regulated by the milled nut. The engravings are actual size, which shows the large range of adjustments they are capable of. Price 3/6 each.

WINGRAVE'S GAG.
5/6 each.VULCANITE GAG.
With Padded Top, 3 Sizes
1/6 each.

DOYEN-ACKLAND GAG, 10/6 ea.

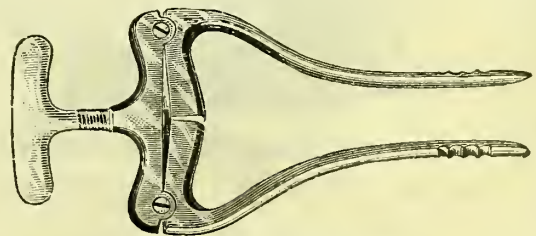
BRUNTON'S GAG.
6/- each.PICKFORD'S SPRING GAG,
1/6BUCK'S PATTERN MOUTH PROP. With Pads.
In two sizes, 5/6 each.ACKLAND'S MODIFICATION
or MASON'S GAG

The Jaws of which present a thinner edge for insertion, the advantage being that the tooth plates lie in the same plane when ready for use. Price 12/6 with straight or bent handles.



MASON'S ADJUSTABLE GAG.

Nickel Plated with Metal Handles, 5½ inches, 10/6
Ditto ditto 7 " 12/-



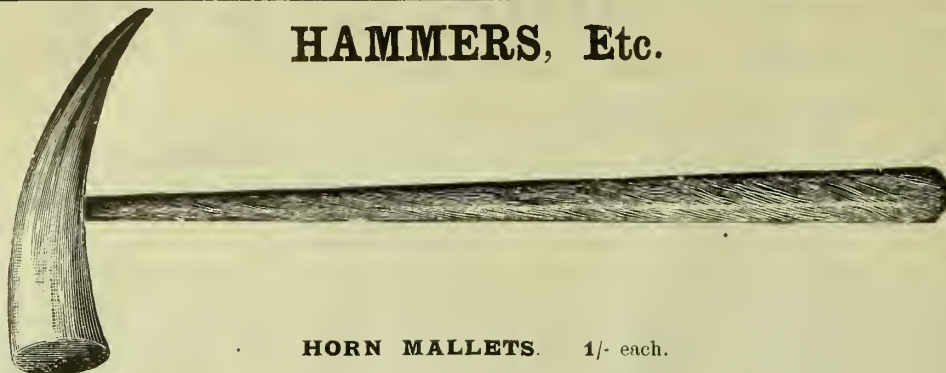
MOUTH OPENER.

7/6 each.

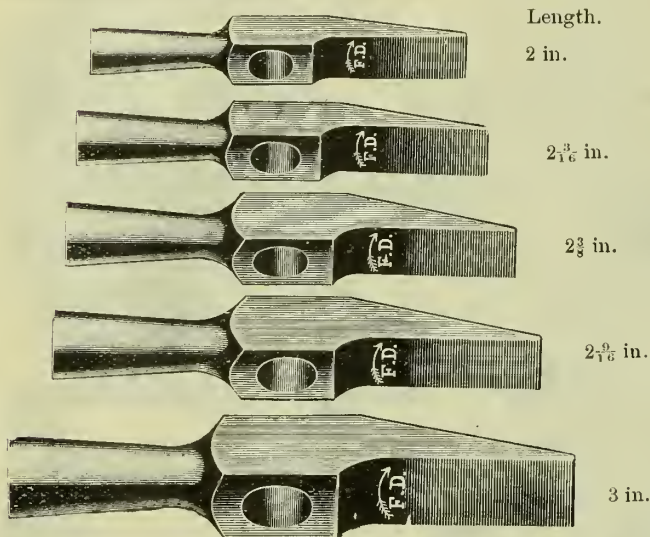
CROFT'S Improved Gag, with Ebony handles ...	12/6
" " " " Metal " ...	10/6
FERGUSON'S " Pattern Gag, with Ebony " ...	14/-
" " " " Metal " ...	13/-
VERNON KNOWLES' Improved Ratchet Pattern ...	18/6

CHAINS for connecting Gags, Silver-plated ...	1/- each
" " " " Solid Silver ...	1/6 "

HAMMERS, Etc.

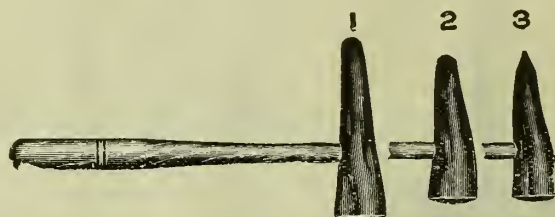


HORN MALLETS. 1/- each.



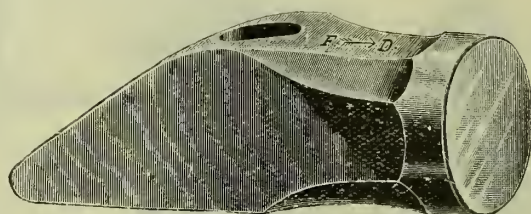
No. 882. RIVETTING HAMMERS.

Size	1½ in.-2 in.	2½ in.-2¾ in.	3 in.-3¼ in.	3½ in.	4 in.	4½ in. long
Price, with Flat or Domed Face	6d.	6l.	7d.	8d.	10d.	1/3 each
Handled	9l.	9l.	10d.	1/-	1/2	1/6 ,,



No. 897. POLISHED HORN MALLETS.

Shapes Nos. 1, 2, or 3, 1/3 each.



No. 886. HAMMERS.

Suitable for striking up plates, etc.

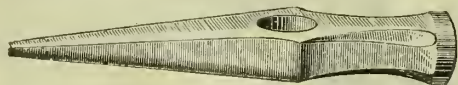
Double or Single ended, 2/6 to 5/- each. Handled 1/- extra.

Made of Best Solid Forged Steel, convex faces.



No. 887. HAMMER.

No. 00	0	1	2	3	4	5	6
9d.	10d.	1/-	1/2	1/3	1/6	1/8	2/- each



No. 883. POINTED RIVETTING HAMMERS.

Handled	..	...	10d. each.
Heads only	...	...	6d. ,,



No. 889.

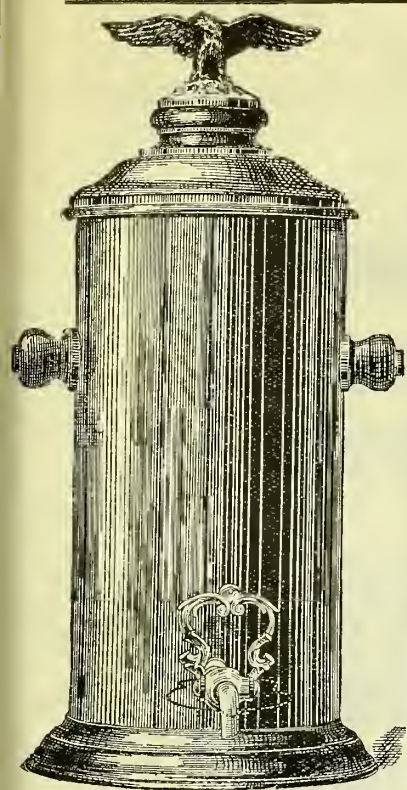
BOXWOOD BOSSING Mallet

Diam.	2 in.	2½ in.
Price	1/-	1/3
Diam.	3 in.	3½ in.
Price	1/8	2/3 each.



No. 888. BOXWOOD Mallet

Diam.	1½ in.	1¾ in.	2 in.
Price	6d.	7d.	8d. ea.
Diam.	2½ in.	3 in.	
Price	10d.	1/-	each.



No. 3.

WARM WATER APPARATUS.

Brass, Nickelled, Plated Eagle above.

The sides are lined with Magnesium, and by this means the water poured in hot remains so for 10 hours.

Height, 24-in.; Diam., 9-in.; **42/-** each.

No. 4. (Same as above).

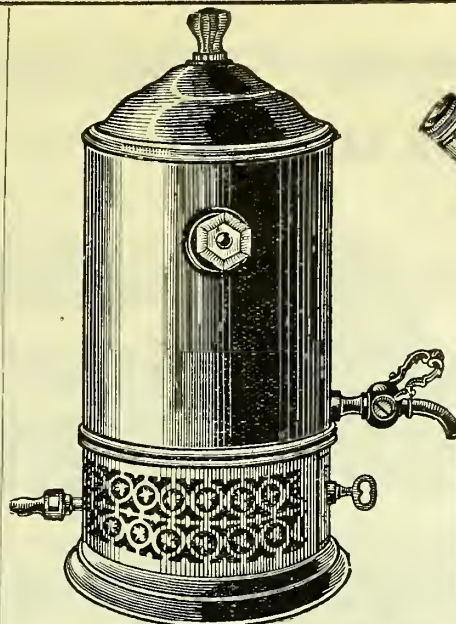
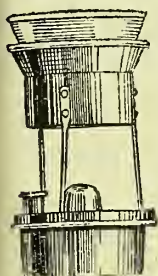
Height, 20-in.; Diam., 8½-in. **35/-** each.

Nos. 3 and 4 are not for heating, but for keeping water hot as described.

No. 13.

WARMING APPARATUS

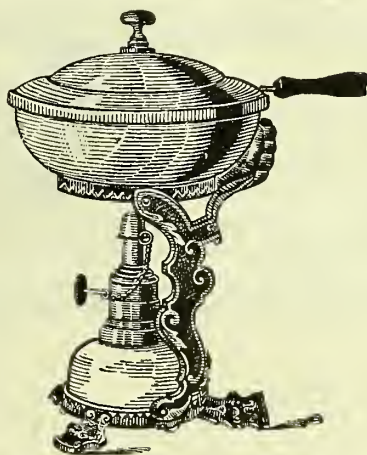
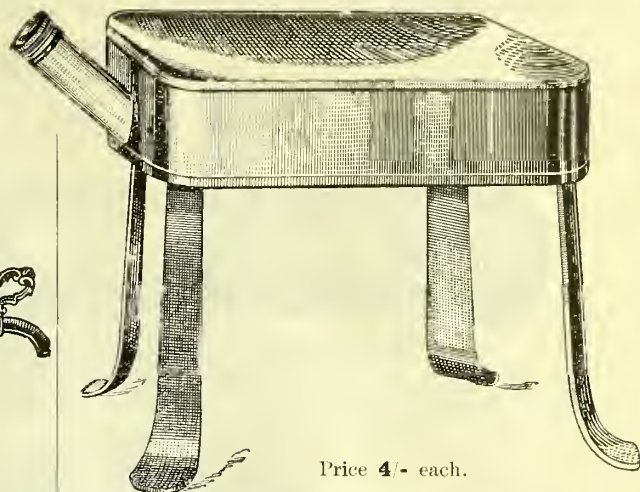
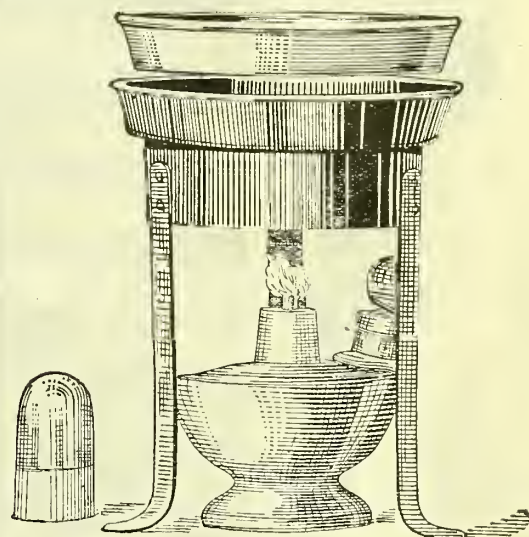
For Gutta Serena, in
Brass Nickelled,
Porcelain top, Lamp
No. 44, Height, 5-in.;
Diameter top, 3¼-in.

3/6No. 7. **HOT WATER APPARATUS.**

For the Operating Room.

Brass Nickelled, Crystal Button on top, can
be used with Gas or Spirits of Wine.

When ordering, please state if wanted
for Gas or Spirit.

Height, 18-in. Diameter, 7½-in. **35/-**.No. 14. **HEATER FOR COMPOSITION.**
8/6.**RUBBER WARMER.**Price **4/-** each.

No. 10.

WARM WATER APPARATUS.

For Rubber, in Brass Nickelled, with Lamp No. 43,
Porcelain Tray.

Height, 8-in. Diameter top, 6-in.

6/- each.**DENTAL FLASK WASH HOLDER.**

(SANDS' PATENT).

SANDS' PATENT FLASK WASH
HOLDER has been designed to
supply a long felt want, and will
prove a valuable addition to your
workroom.

It is strongly made of brass, with
hard wood handle, simple to use,
cheap, effective, and nothing to get
out of order. Will hold any single
flask

Why scald your hands with the
old fashioned way?

Why lose your washed out teeth?

Don't, but use **SANDS' PATENT**
WASH HOLDER.

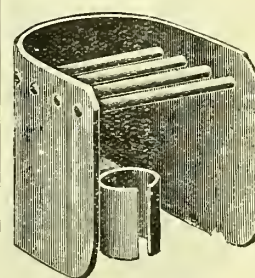
A is about to direct the water and
washed out wax into sink, pail
or basin.

B are perforations, large enough
to pass the water and wax, but
small enough to retain washed
out teeth.

C is a ridge to hold flask in posi-
tion.

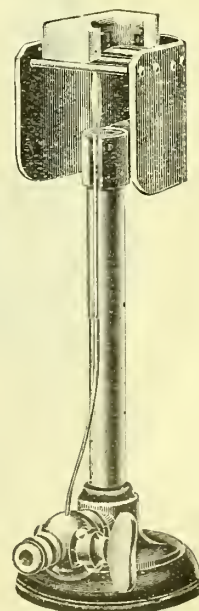
Price **7/6** each.

Foreign Patents Pending.

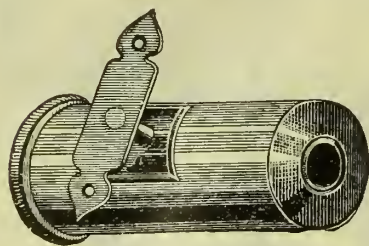
**BIBER'S
HEATER.**

Rests on a Bunsen Burner
and is used for heating
Plaster Preparations, etc.

Price **1 6** each.
Without Burner.



HOLDERS, ETC.



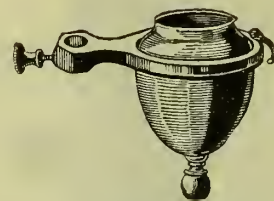
No. 36. WOOLHOLDER.

Long form, with spring, back to unscrew, and one piece to screw on table, $2\frac{3}{4}$ in. long, $1\frac{1}{2}$ in. diameter. 3/6 each.



WOOL PELLETT HOLDER,

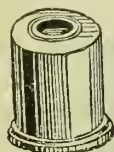
3/-



No. 47 WATER HOLDER.

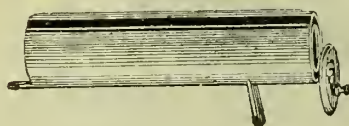
For Dental Engine.

4/6



No. 34 WOOL HOLDER

In brass, highly polished and nickelled, end to unscrew, with spring to keep wool forward. Diameter about 2 in. 2/6 each.



No. 35. WOOL HOLDER

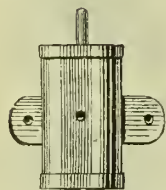
Long form, with spring and two pieces to screw on table, 4 in. long, $1\frac{1}{8}$ in. diameter, 3/- each.



No. 37.

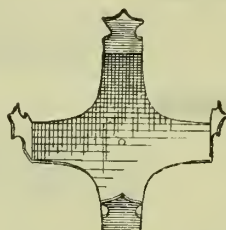
WASTE HOLDER

In brass, polished and nickelled, bottom to unscrew, $2\frac{3}{4}$ in. high, about 2 in. diameter. 2/6 each.



No. 48 SILK HOLDER

To screw on instrument table. This apparatus holds a roll of silk, and can be refilled as required. Price in brass, nickelled, length about $2\frac{1}{2}$ in. diameter $1\frac{1}{2}$ in. 2/- ea.



No. 46 HOLDER (Nickelled).

To screw on table to hold Spirit Lamps. 6d. each.

NICKEL PLATED GLASS HOLDERS

No. 54



Glass Holder for Warm Water Apparatus. Conical form, 2 in. high. Top about $2\frac{3}{4}$ in., bottom little less. 1/6 each.

No. 55



Straight form, in brass well polished and nickelled. A little over 2 in. high, diameter 3 in. 1/6 each.

MAGIC CLASP NAPKIN HOLDERS.

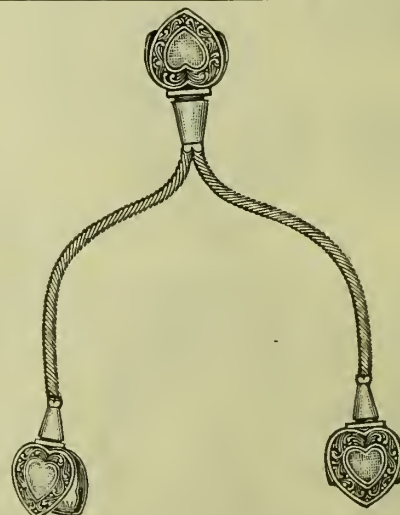
PATENT.



No. 1, 8d.

Magic Clasp Napkin Holders obviate pinning or other methods of fastening napkins to clothing of patient. Quickly adjusted by passing the silk cord around back of patient's neck and securing napkin by means of the spring clasp.

The No. 2 is provided with an additional clasp for the purpose of gripping the patient's garments at the back, and thus preventing displacements of napkin. Modification suggested by Dr. F. W. Low.



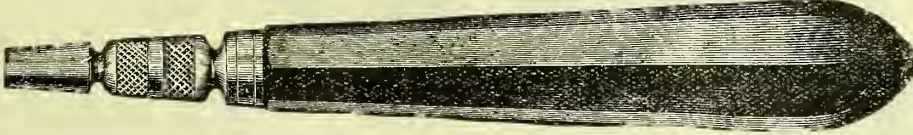
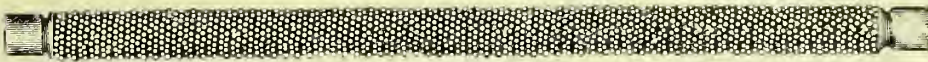
No. 2, MAGIC CLASP NAPKIN HOLDER Price 1/-

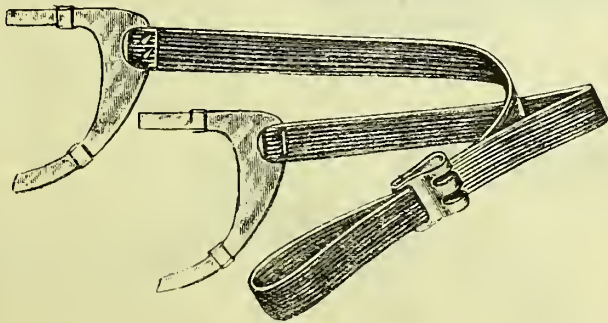
HANDLES.

File Handles in Plain Wood ... 6d. doz. Polished, 1/- doz.
Handle to hold all Files, to screw ... 4/6 ,,

Scorper and Graver Handles (Various Shapes), plain 6d. doz.
Polished ... 1- ,,

HOLDERS, ETC.,—Contd.**SOCKET HANDLES (Cone Socket).**

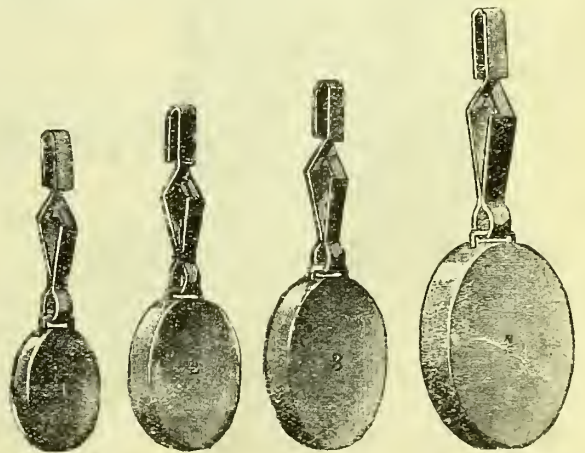
	No. 11.	1/8 each.
	„ 10.	1 - „
	„ 9.	1/9 „
	„ 8.	2/6 „
	„ 7.	10d. „
	„ 6.	10d. „
	„ 5.	1/- „
	„ 4.	8d. „
	„ 3.	8d. „
	„ 2.	6d. „
	„ 1.	6d. „

THE "WIZARD" RUBBER DAM HOLDER.

Is a marvel of simplicity—just as handy as it can be. The above cut will convince you. The rubber dam is easily and quickly fastened in the holder. Everything is instantly adjusted to the desired position. The rubber dam is always where you want it—no slipping while in use, so firm is the grip upon it. It is easily detached—always ready for business.

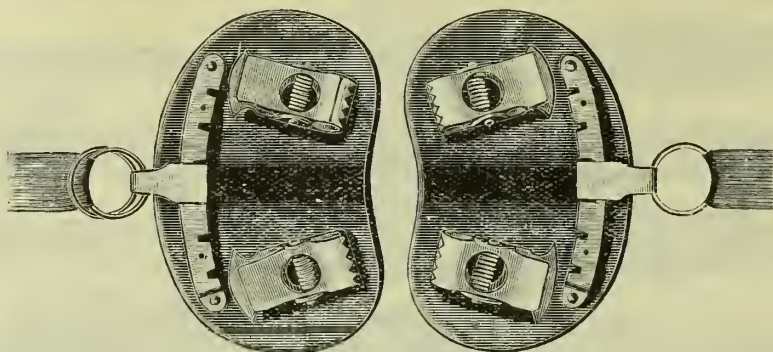
This instrument is light, strong, nickel-plated, and made to last a lifetime.

PRICE 4/-.

HICKORY WOOD. 6d. per dozen.**RUBBER DAM WEIGHTS or HOLDERS.**

Best Quality, Nickel Plated 1/6 each.

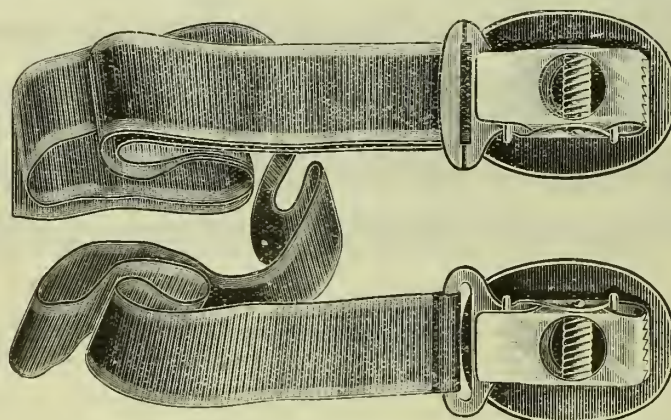
RUBBER DAM HOLDERS.



Dr. Mitchell's, 6/- each.

RUBBER DAM APPLIERS	..	..	..	..	2/9 each.
RUBBER DAM HOLDERS, Improved Hospital	..	..	..	..	2/6 „
FERNALD'S RUBBER DAM RETRACTOR	..	..	..	..	2/6 „

For Rubber Dam Weights see page 111.



Hospital Pattern, 2/6 each.

INGOT MOULDS.

OPEN INGOT MOULDS

for Wire.



Length	5	6	7½	8¼ inches.
Price	1/3	1/6	2/-	2/6 each.

No. 470.

CASTING RINGS.

Diameter	..	4½	5	6 inches.
Prices	..	1/2	1/3	1/4 each.
No. 493.				

ROUND MOULDS

for Casting Lead Cakes.

Diameter	..	3½	4¼	5 inches.
Prices	..	2/-	2/6	3/- each.

No. 494.

Open Ingot Moulds

FOR FLAT INGOTS.

No. 501.



Length	2	2½	3	3½	4½	5½ inches.
Width	1	1½	1½	1½	1½	1½ „
Depth	¾	1	1	1½	1½	1½ „
Price	1/-	1/-	1/3	1/6	1/9	2/- each.

Ingot Moulds.

SLIDING INGOTS.

WILL CAST INGOTS ANY WIDTH.

No. 502.

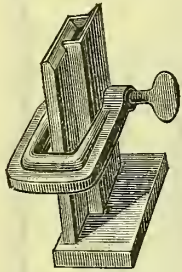


Fig. 1 2 3 4 5 6 7 8 9 10 11 12

Length	2½	2¾	3¼	3½	4	4	5	5	6	6	8	8 inches
Width	1½	1¾	1½	1½	1¾	1¾	2	2	2¼	2¼	2½	2½ „
Thickness	¾	¾	¾	¾	¾	¾	¾	¾	¾	¾	¾	¾ „
Price	3/6	4/-	4/6	5/-	6/-	6/6	7/6	8/-	9/6	11/-	12/6	13/- ea.

Moulds (Ingot).

A Large Variety of Ingot Moulds in Stock.

No. 506.

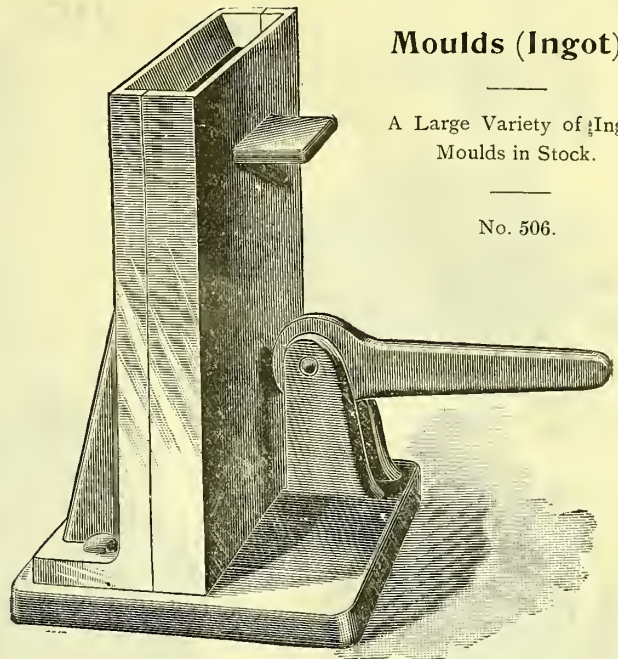


Fig. 1.	2½ deep,	2¾ wide,	¾ thick ...	...	...	9/6
„ 2.	3¼	2¾	¾ „ ...	...	...	11/6
„ 3.	5½	2¾	¾ „ ...	...	...	14/6

All inside measurements.

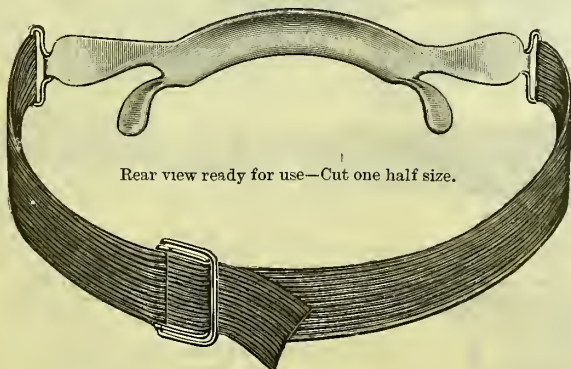
THE JORDON LIP AND CHEEK SUPPORTER

(PATENT APPLIED FOR)

is something new that dentists have long been needing. By its use there is no more working in the dark; no spreading the lips and cheeks with one hand while trying to work with the other.

This instrument holds the lips firmly up and back from the anterior teeth. At the same time the cheeks are pressed up and out from the posterior teeth, thereby exposing the entire mouth to the operator, who has both hands with which to work. Moustache and beard always out of the way. No effort on the part of the patient. Instantly adjusted. Easily and quickly detached from head band for sterilizing. Light—made of aluminium. Two sizes, to fit the mouth. Every dentist should have a set.

Price 6/6 each.

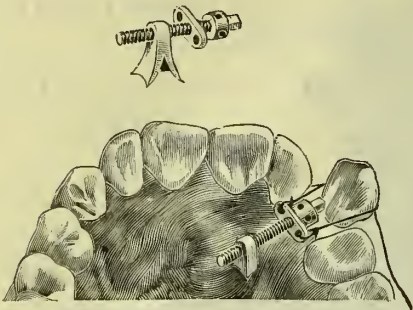


Rear view ready for use—Cut one half size.

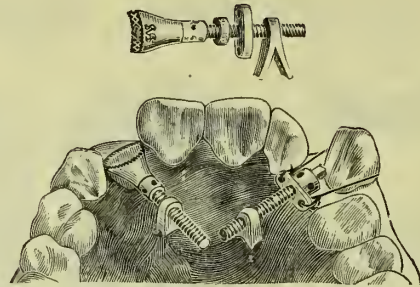


FRONT VIEW—IN USE.

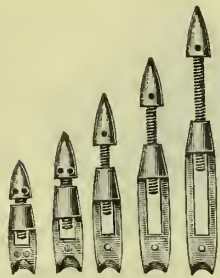
JACK SCREWS.



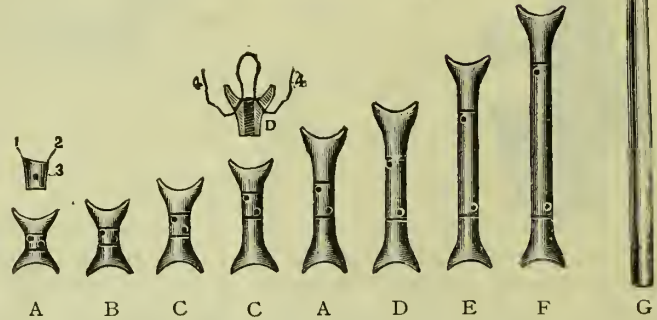
Dr. Lees (with key) ... 4/6 each.



Lee Bennett (with key) ... 4/6 each.

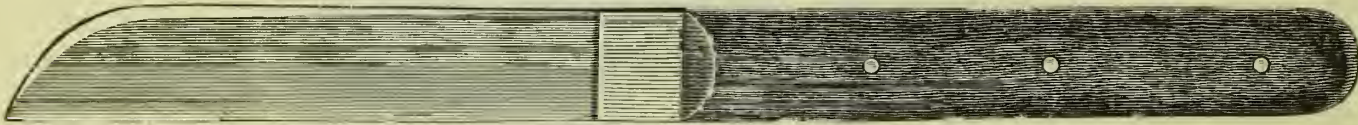
Ordinary Jack Screws.
3/6 each.

IFFY
CEMENT TUBES.
No. 1 Box of 50,
2/-

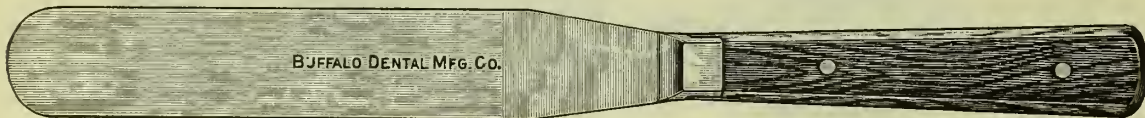


Dr. McCollum's Jack Screws. 4/- each.

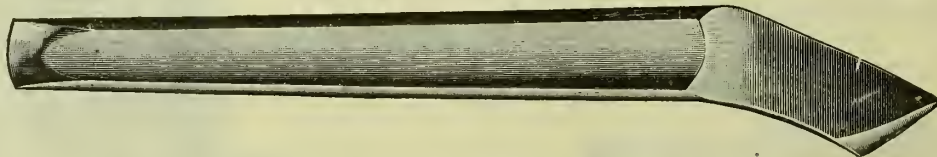
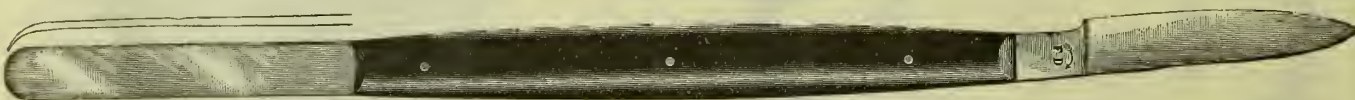
KNIVES.



Plaster Knife, No. 1. 8d. each.

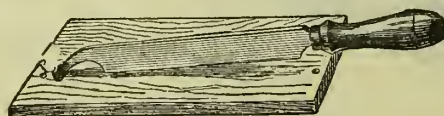
Plaster Knife,
No. 2.

4 in. 1/- each.
5 in. 1/3 "
6 in. 1/9 "

Solid Steel Plaster
Knife, No. 3.
1/6 each.

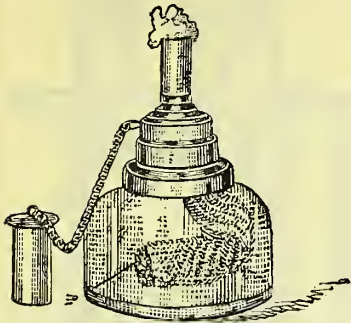
Wax Knife and Spatula. 1/- each.

ALUMINIUM PLASTER MIXER.
1/3 each.
VULCANITE PLASTER MIXER.
1/- each.

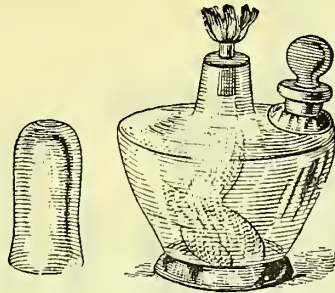
Plaster Knife on Board, 4/-
Knife only, 3/-

Plaster Knife, Improved Pattern,
Bent, 1/3 each.

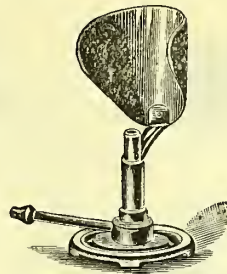
LAMPS.



No. 41.—Brass, Nickelled, with Screw,
Glass Basin. 1/- each.



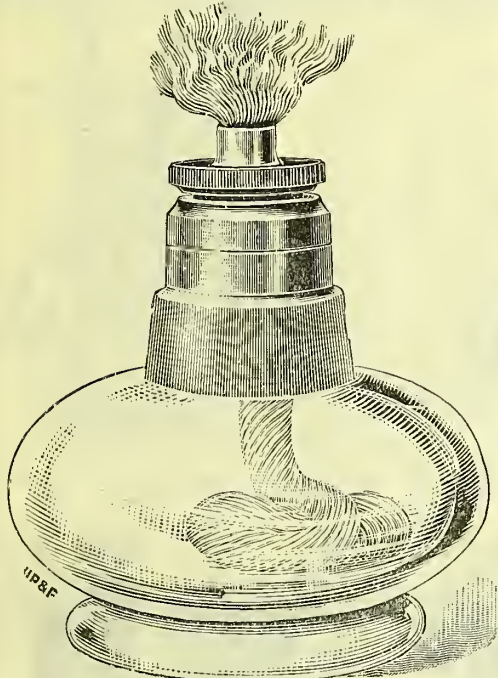
No. 43.—Glass Spirit Lamp.
2/- each.



Small Bunsen, with
Shield. 3/- each.



No. 42.—Pocket Spirit
Lamp, Brass Nickelled,
2/6.



Glass Spirit Lamp. 1/6.



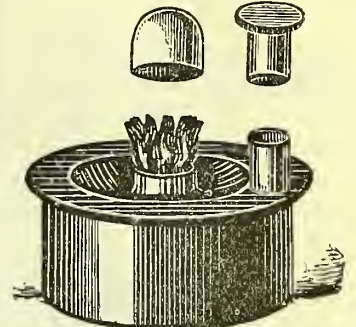
THE "HYGIENE" LAMP.

Useful in Dental Surgeries.

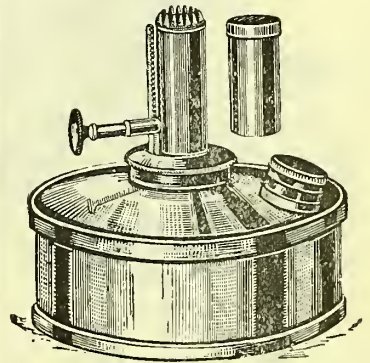
This slow-combustion Lamp is intended for purifying tainted air in Public Halls, Hospitals, Places of Amusement, Private and Business Houses, Sick Rooms, &c., and for destroying microbes, germs, insects and parasites, by means of the distribution of Formaldehyde Vapour.

PRICE LIST.

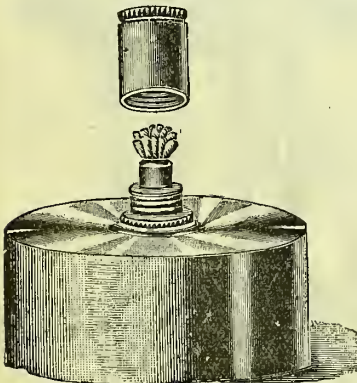
"Hygiene" Lamp, complete	...	5/6
Spare Ribbed Caps, each	...	1/6
Spare Wick and Carrier	...	1/-
Concentrated Hygiene Antiseptic Fluid, per bottle	...	1/-
Concentrated Hygiene Antiseptic Perfumed Fluid, per bottle	...	1/6



No. 44.—2 inches high, $2\frac{3}{4}$ diameter,
Brass Nickelled. 1/9 each.



No. 45.—5 inches high, $4\frac{1}{2}$ diameter,
Brass and Tin, Ratchet, Screw and
Cap. 3/- each.



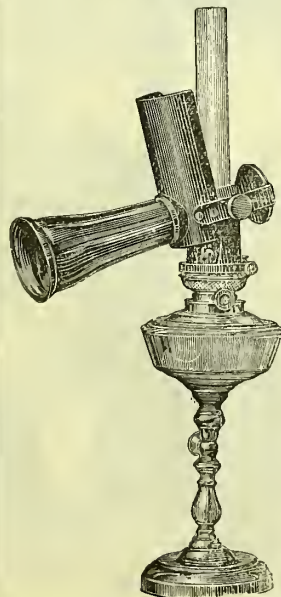
First class Solid Metal Lamp,
Nickel Plated. 3/- each.



No. 38.—Nickelled,
without Screw,
Glass, Cap and
Shield, 2/- each.

Do. without Shield,
1/6 each.

Do. with Screw and
Shield, 2/6 each.

Dr. TELSCHOW'S
LAMPS.

Best Quality only.
Common and Cheaper
Lamps not stocked.

For Oil	...	24/-
For Gas	...	22/6
For Incandescent Gas	...	26/-
For Electricity	...	27/6
(See also Electric Section.)		

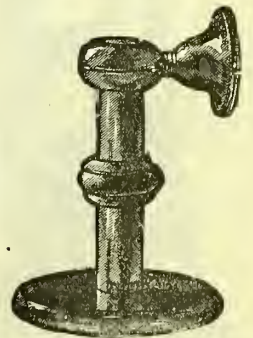
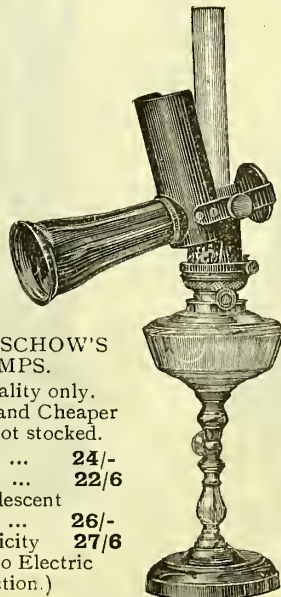
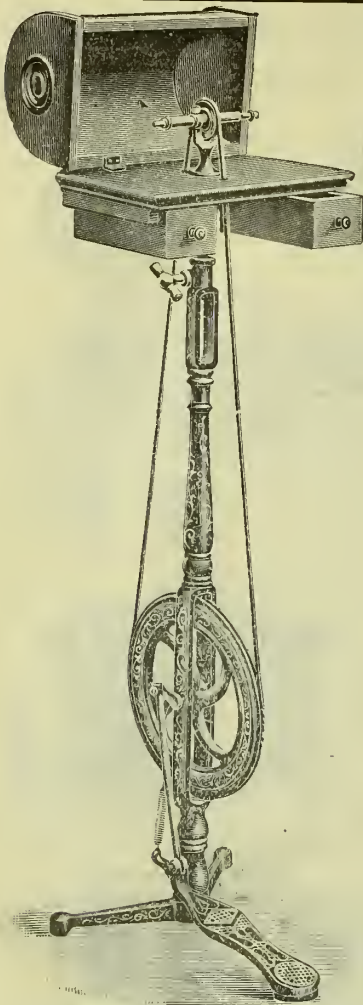
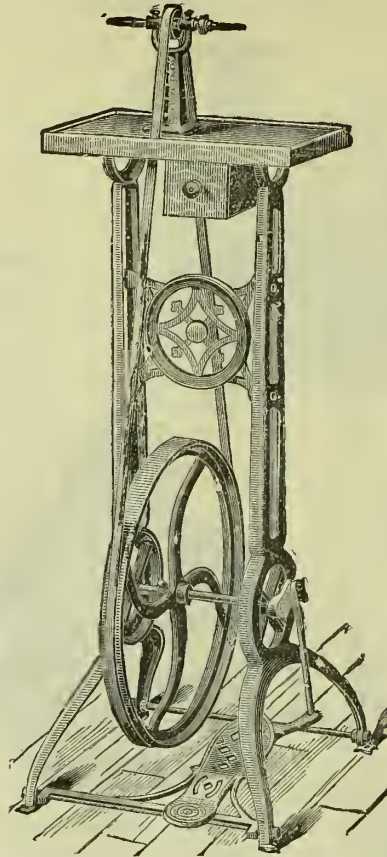


Table Mount
for
Telschow Reflector.
3/- each.

LATHES.



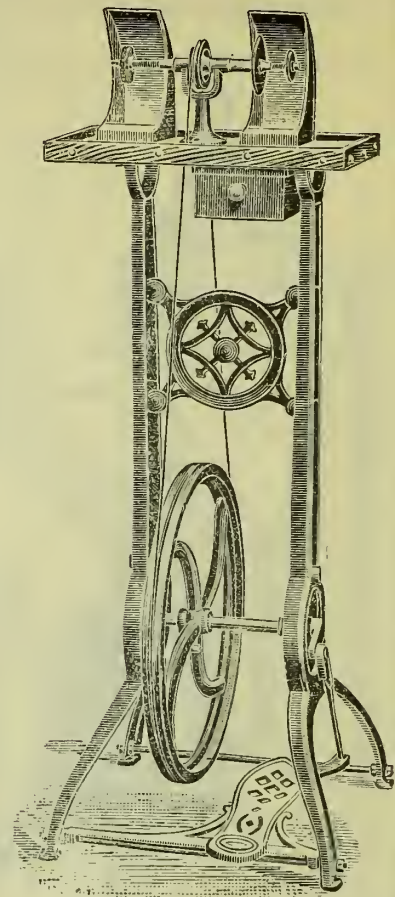
Very superior Surgery Lathe, Nickel Plated Cover, Head, &c. 75/- each.



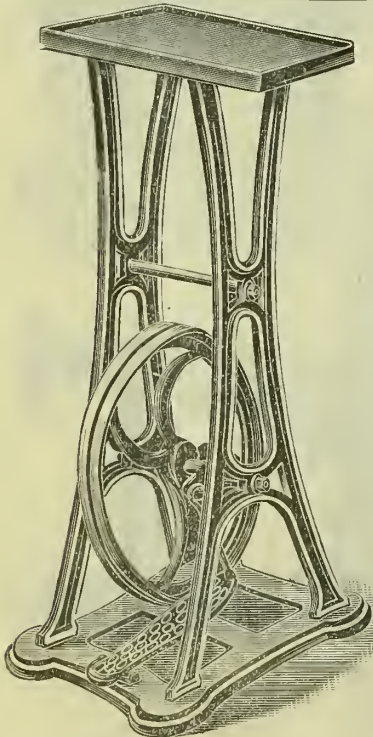
No. 1.—The Cheapest Workroom Lathe on the Market.

Complete as shewn ... 25/-

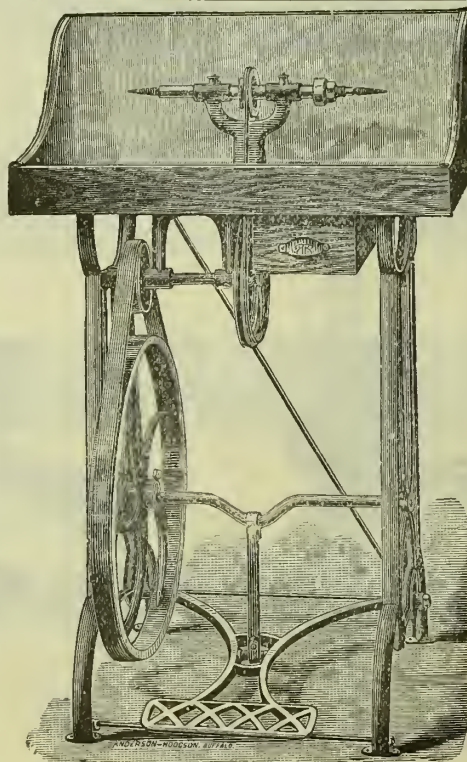
No. 2 do. superior Stand and Hood, 30/-
Hood for No. 1 Lathe, extra ... 2/6



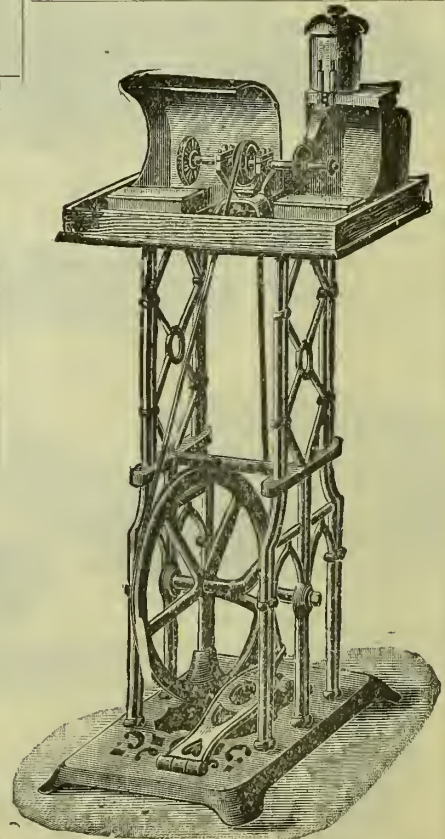
No. 3 Lathe.—Superior Quality, with 2 Hoods and Head as shewn. 40/-



Extra Strong Stands, Hardened Steel Centres, Best Quality. 50/-
Any Head may be fitted to Stand.
See List next page.



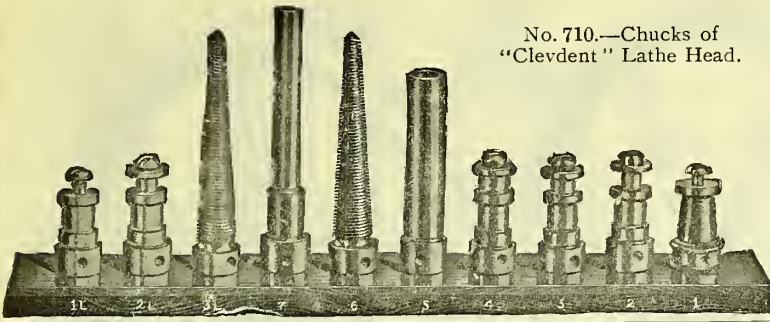
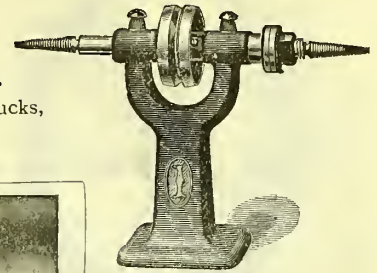
No. 4.—Improved Polishing Lathes.
With Speed Pulley, in two sizes,
70/- and 100/-



No. 7.—Workroom Lathe. Superior.
Complete with Hoods and Gut, 65/- each.
Or with No. 3 Head, 55/-

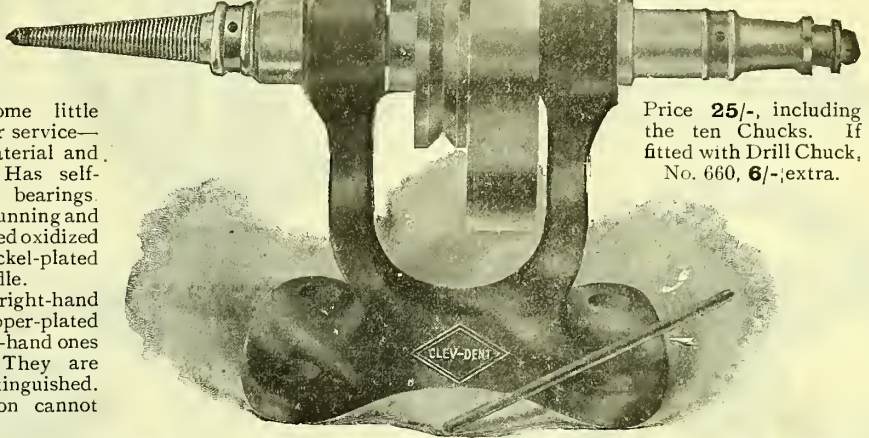
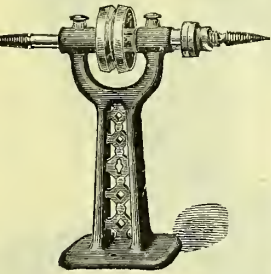
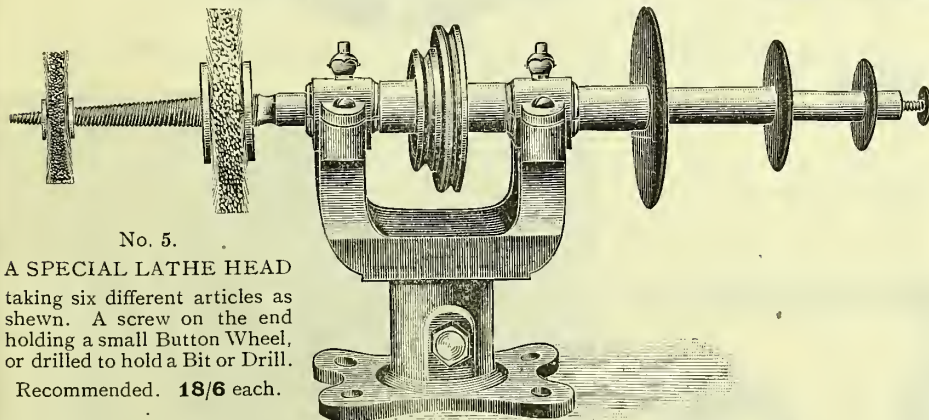
See also Electric.

LATHE HEADS.

No. 710.—Chucks of
"Clevdent" Lathe Head.No. 1.—8/6.
Do. with two Chucks,
10/6.THE
"CLEVDENT"
LATHE HEAD.

Is a handsome little dandy. Built for service—the very best material and workmanship. Has self-lubricating cone bearings. Absolutely true running and noiseless. Finished oxidized copper base, nickel-plated wheels and spindle.

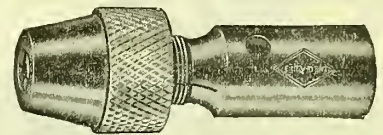
The seven right-hand chucks are copper-plated and the three left-hand ones nickel-plated. They are thus easily distinguished. This combination cannot be excelled.

Price 25/-, including
the ten Chucks. If
fitted with Drill Chuck,
No. 660, 6/- extra.No. 0.—For Brush and
Wheel. 4/6.No. 0c.—With Universal
Chuck. 5/6.

No. 5.

A SPECIAL LATHE HEAD taking six different articles as shewn. A screw on the end holding a small Button Wheel, or drilled to hold a Bit or Drill.

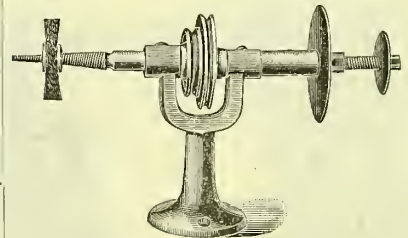
Recommended. 18/6 each.



UNIVERSAL DRILL CHUCK.

No. 660.—6/- each.

Adapted for "Clevdent" Lathe Head.



No. 6.

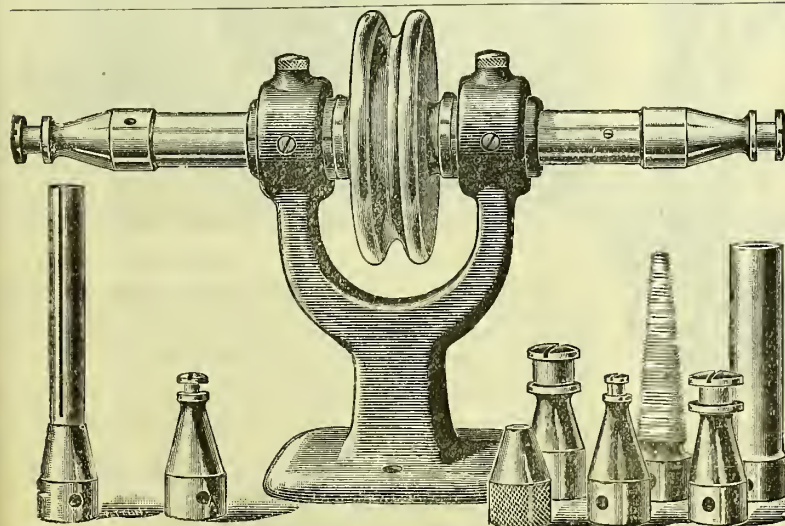
This Lathe Head is fitted with two Speed Cones, Split in Necks to take up the wear, and will carry two Stones and one Brush or Brush at each end.

8/6 each.

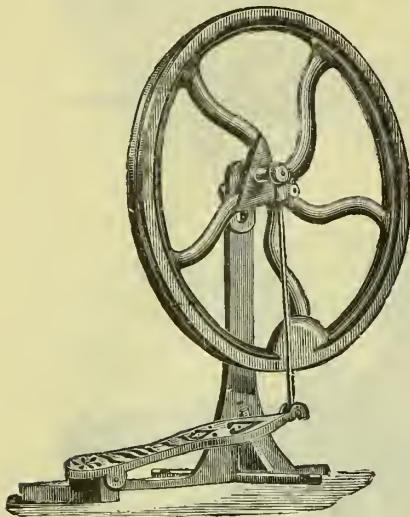
THE "CROWN" DENTAL LATHE HEAD.

30/- complete.

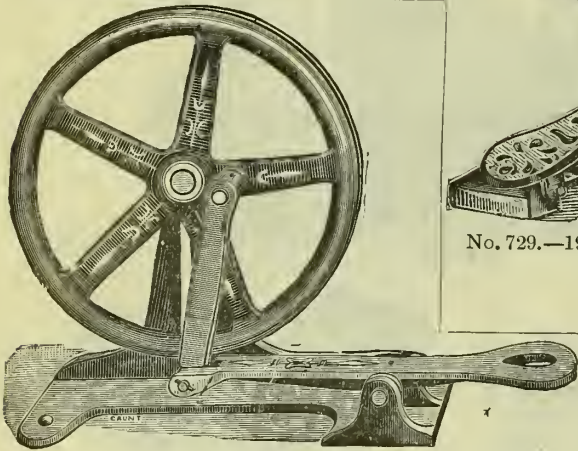
This Head is of convenient size—3½ inches high to centre of spindle—with a body of cast iron, finely japanned; the Spindle is of steel, ground perfectly true, and runs in bronze boxes. These boxes can be adjusted to the greatest nicety by means of the front and back screws. The Oil Caps screw into the Head; the Pulley is finely nickel-plated. With this Head there are ten bronze Chucks; six of them are designed for holding the various sizes of Grinding Wheels used by the dentist, one each for Brush Wheels, Emery Paper and large Burrs; the small Chuck is specially adaptive for stem-mounted Discs. There is also provided directly in the spindle means for holding small Burrs.



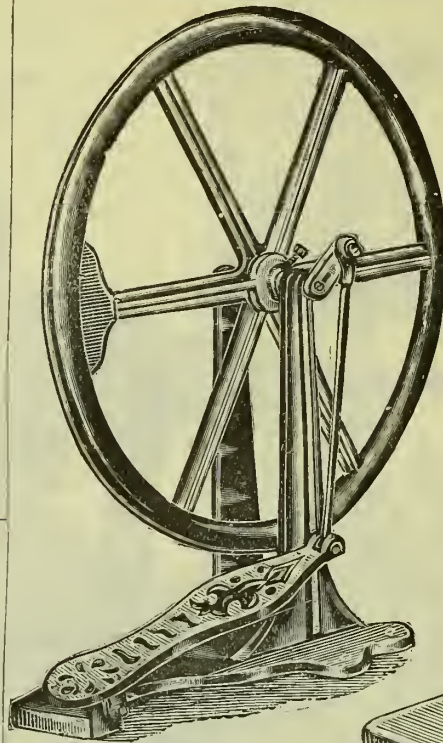
LATHE WHEELS.



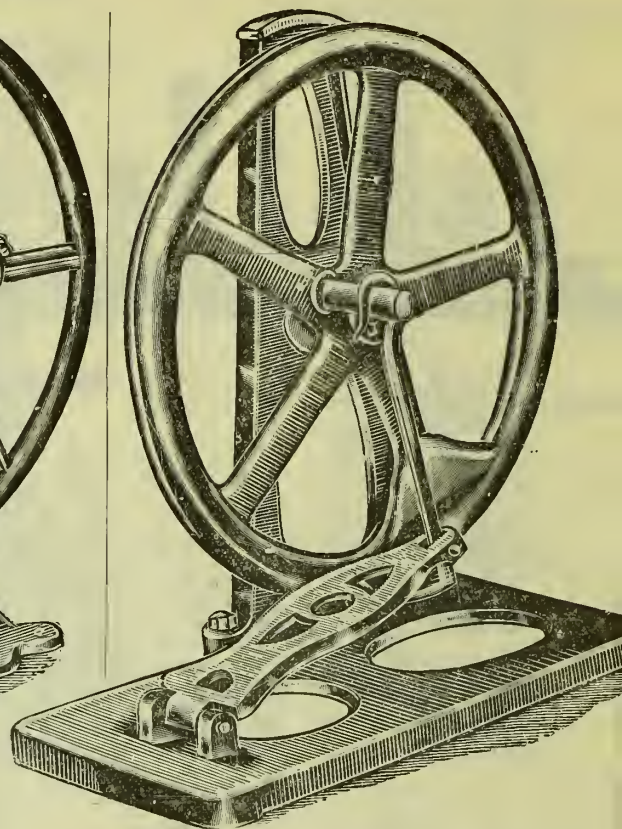
No. 730.—Lathe Wheel, 16 ins. diameter.
Price 14/6 each.



No. 733.—Best quality, easy running Lathe Wheel. 18/6.
Can be had in either right or left foot.



No. 729.—19 inch Heavy Wheel.
23/-



No. 732.—Extra Heavy Wheel. 30/-

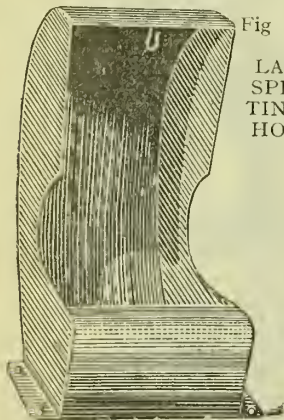


Fig 1

LATHE
SPLASH
TINS OR
HOODS.

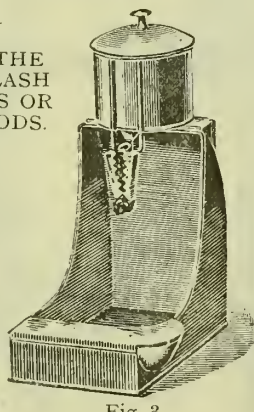


Fig. 3.

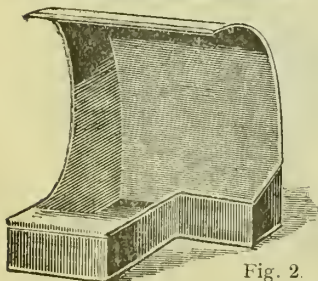
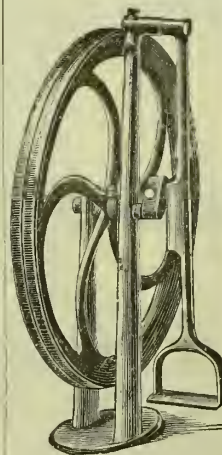
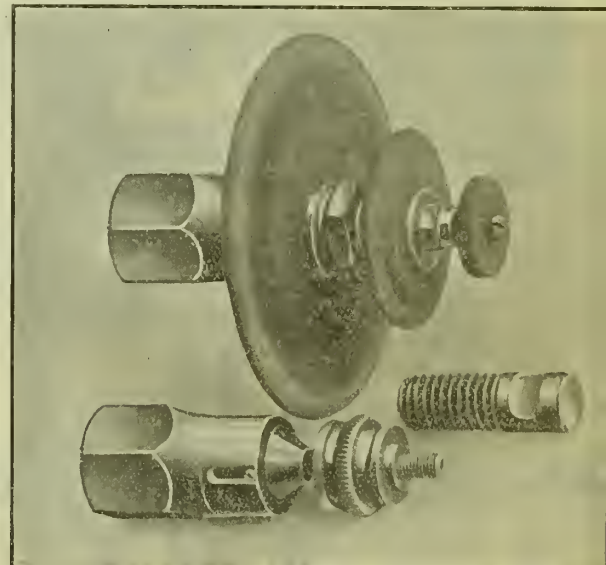


Fig. 2.

No. 740.	
Plain Enamelled	
as Fig. 1 ...	2/6
„ Zinc ...	3/-
„ Enamelled,	
as Fig. 2, with	
Projection ...	3/-
„ Zinc ...	3/6
Enamelled, as Fig.	
3, with water	
well and tap	6/6
„ Zinc ...	7/6



No. 735.
Swing Wheel.
30/- each.



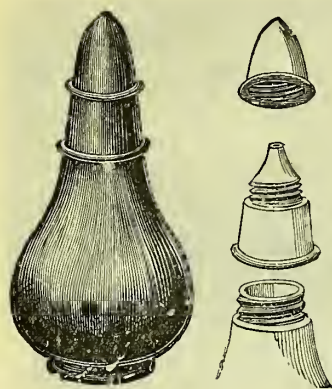
SELF-CENTRING CHUCK.

This Chuck is designed to carry carborundum or other discs, circular saws for wood or metal, from 1 inch to 5 inch diameter, with centre holes from $\frac{5}{16}$ to $\frac{1}{2}$ inch, and is self-centring by means of a cone which pushes inside the cylinder when the disc is screwed up to the face of the chuck.

Discs with the holes a little out of centre can be set approximately true, the yielding cone allowing for the adjustment. Also arranged to carry small discs at the end of the spindle $\frac{1}{16}$ inch holes. If desired an intermediate disc (not self-centring) can be run at the same time, an extra nut being provided for purpose.

Price 10/6 each.

MERCURY.



No. 2.

Drop Bottle for Mercury.

No. 1, 6d. No. 2, Boxwood, 10d.

Horn, as No. 2, 2/-

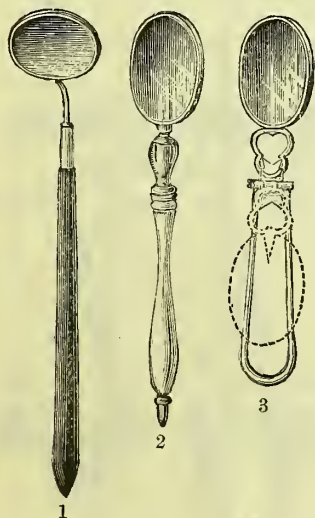
S. S. W., 2/-

MOLDINE OUTFITS.

S. S. White's, 4/10 each.

Mellotte's Moldine, 1/- per tin.

MALLETs (see Hammers).



each.

No. 1.—Fixed, Metal or Black Handle... 1/-

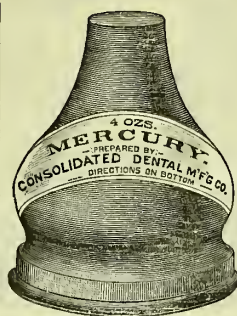
No. 2.—Ball and Socket 2/-

No. 3.—Metal Folding, for Pocket use ... 2/6

Superior Glass.

Double End Mirror and Magnifying Glass ... 3/6

Loose Glasses 6d. each, 5/- doz.



CONSOLIDATED CO.'S MERCURY.

4 oz. bottle, 2/6.

LORD'S MERCURY.

2 oz. bottle, 1/6.

P. C. L. MERCURY.

Purified and Guaranteed in bottles.

2 oz., 1/3, 4 oz., 2/3, 8 oz., 4/-, 16 oz., 7/6.

FLETCHER'S MERCURY BOTTLE.

Containing sufficient pure Mercury for 3 or 4 ozs. of filings.

1/-

Or with Mercury electrically purified.

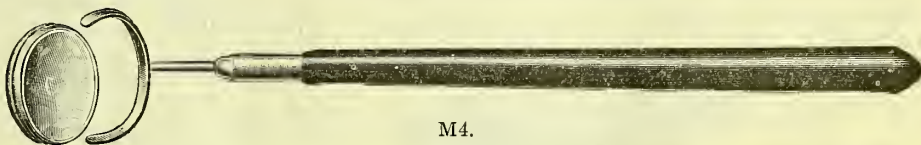
2/-



"Marjo" Compo Renovator.

The use of "Marjo" is recommended to prevent the compo from becoming hard, and should be added every now and then in small quantities, and thus ensure a continuous evenness of working which will give very gratifying results; it can be used instead of vaseline for smearing over the surface of the compo before putting into the mouth. This gives better results because "Marjo" becomes an integral part of the compo.

Price: 9d. per tube; 7/6 per dozen tubes.



M4.

The Reversible Mouth Mirror.

The Mirror can be used on either side, according to which is most convenient.

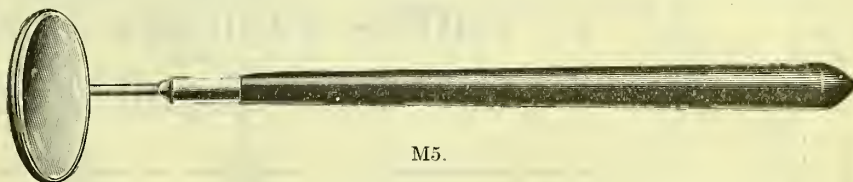
Refills are supplied with either two magnifying, two plain, or one magnifying and one plain, firmly spun in metal rims.

Handles are supplied either ebony or metal, nickel-plated.

This Mirror will be found a perfectly practical and useful instrument, and is supplied in any size from No. 3 to No. 6.

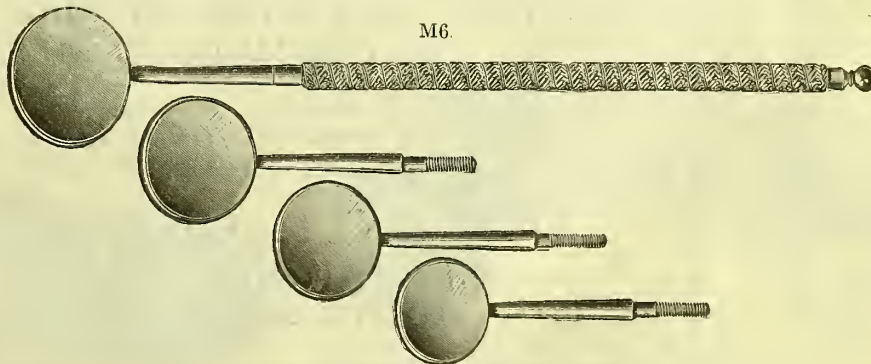
Reversible Mouth Mirror with either ebony or metal handle, any size from 3 to 6, 2/9 each.

Refills for the above, either plain or magnifying, 1/6 each.



M5.

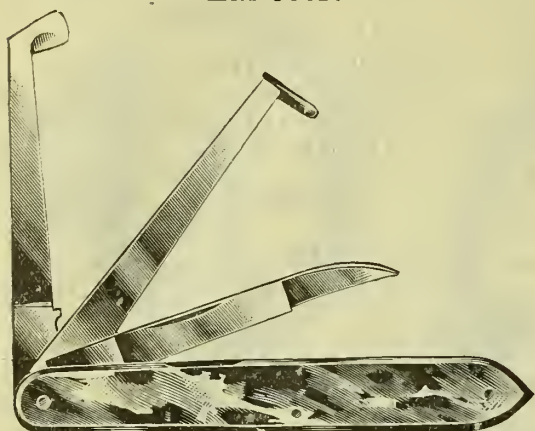
The "Long Oval" Dental Mirror, with either ebony or metal handle, any size, 1, 2, or 3. 2/- each.



M6.

Set of Dental Mirrors, with metal interchangeable nickel-plated handle, 4 Mirrors, Nos. 3, 4, 5, 6, in box. Very useful. 3/- per set.

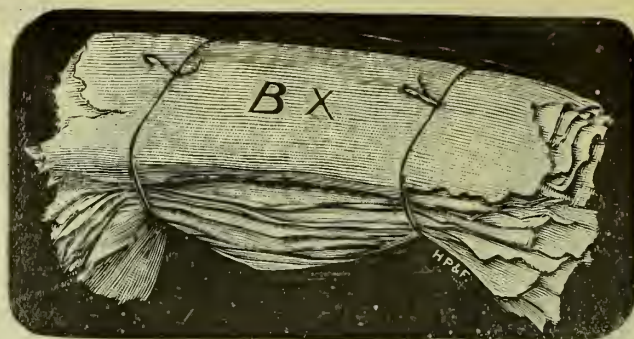
Lancets.



GUM LANCET.

For Pocket, Shell Handle, 4 blades	...	...	5/6
" " 3 "	...	...	4/9
" " 2 "	...	...	3/6
" " Single blade	...	...	2/6
Ordinary Octagon Steel Handle	...	...	1/-
Dr. Dally's	...	...	1/-

Any Patterns.



CHAMOIS LEATHERS, very best quality only, 1/- to 2/6 each.
PREPARED ROUGE LEATHERS, 3/6 to 5/- each.

Redio Cloths.

THE REDIO (VIOLET) DENTAL AND MEDICAL CLOTH.

A large Violet Metal Cleaning Cloth, packed in an attractive carton, with a Red (unimpregnated) Cloth for finishing. The Violet Cloth is impregnated with a superfine metal polish specially adapted for use upon delicate Medical and Dental instruments and fittings.

Retail price for the two cloths, 1/3.

A fine invention. Saves time, is clean, no preparation.

Large Showrooms open in March 1912,

FOR THE DISPLAY OF

Lathes, Benches, Chairs,
Cabinets, Engines, etc.

SEE THAT YOUR NAME AND ADDRESS ARE
ON OUR MAILING LIST.

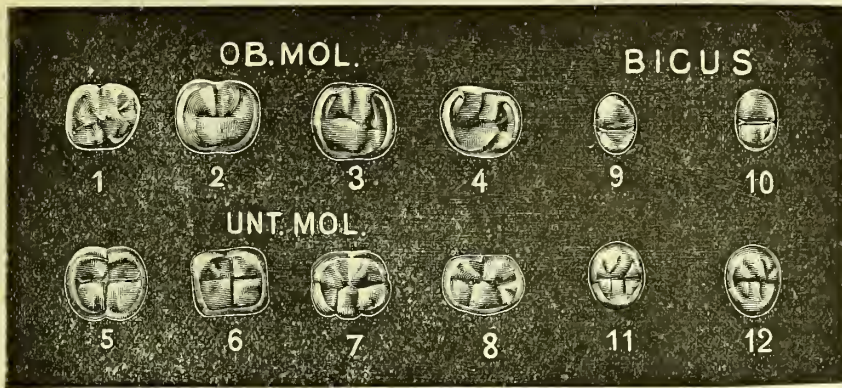
A USEFUL JOURNAL.

THE P. C. L. QUARTERLY

WILL BE POSTED REGULARLY
TO YOU AS PUBLISHED.

MATERIALS.

GOLD, PLATINUM, DENTAL ALLOY, AND METAL SUNDRIES.
CUSPS FOR LOW ARTICULATION.



Nos. 1 and 2 upper jaw right. Nos. 7 lower jaw right. Nos. 9, 10, 11, 12 upper
 " 3 and 4 " " left. " 8 " " left. jaw right and left
 " 5 and 6 lower " right and left. lower jaw.
 VICTORIA METAL, Helvetia Metal (with eyes) ... 5/- per box of 12 assorted

DENTURE SPRINGS.

Our Denture Springs are made of first quality spring wire and far surpass in quality all other springs offered. They are extremely flexible and carefully assorted. The springs are tied together in pairs with coloured silk, the colours indicating their different sizes. We always keep the 2 inch sizes as illustrated in stock. Any other sizes can be supplied to order.

	Gold (14 ct.) s. d.	Gold (14 ct.) s. d.
Blue—very thin per pair	6 0	Red—strong ... per pair 7 9
Yellow—thin ... "	6 6	Black—very strong " 9 2
Green—medium " "	7 0	

16 ct. Gold Springs, 8/- per pair.

10 ct. Gold Springs in 3 Strengths, 6, 7 and 8, per pair, 5/-

VICTORIA METAL. Thickly Gilt.

Same strengths and Coloured Silk as Gold, 5d. per pair.

P.C.L. GILT SPRINGS.

In 3 Strengths, Nos. 6, 7 and 8, 1/6 per doz. pairs; 12/- per gross.
 Silver, heavily gilt, 2/- per pair.



READY-MADE BACKINGS. Victoria Metal, 1/3 per dozen.

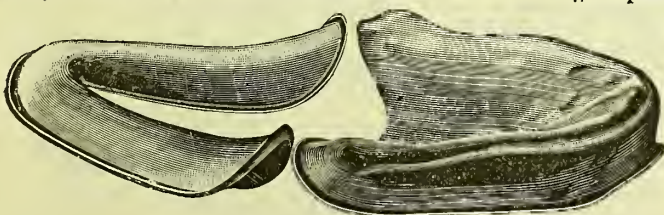


TOOTH CLASPS, VICTORIA METAL GILT.

	PRICES:
No. 1207, 1208...	1/10 per dozen.
" 1210, 1211...	2/6 "
" 1212, 1213, 1214 ...	9d. "

No. 1210. No. 1211.

STAMPED UPPER AND LOWER PLATES. For Demonstrating Purposes, &c.

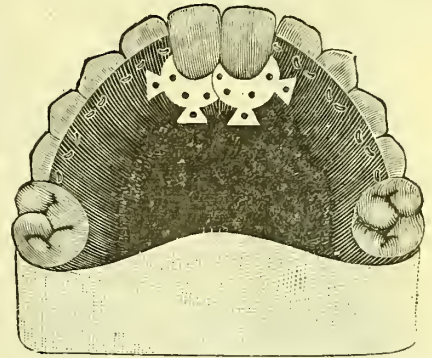


VICTORIA METAL GILDED.

PRICE:

A Single Plate ...	1/6
Upper and Lower Plate ...	2/6
Upper and Lower Plate ... per dozen	24/-

MULDNER'S METAL INSETS FOR VULCANITE DENTURES.

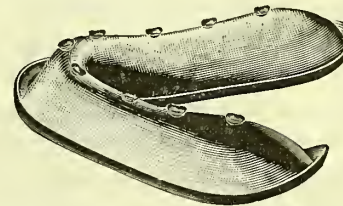


These Insets lessen the danger of breakage of the Vulcanite behind a single tooth or where several teeth stand together.

Victoria Metal, winged ... per doz. 1/4
 " " simple ... " 1/2

RETAINING TAGS.

For adjusting Vulcanite on metal plates. These tags are made of 18 ct. Gold. Their lower side is coated with solder, to simplify the attachment, Gold easily uniting with Vulcanite.



The Retaining Tags are only made in 18 ct. Gold.

Per doz. 3/-



No. 4.



PATENT SWIVELS.

Can be adjusted as desired.
 No. 4 Price per set—4 Pieces.
 Victoria Gilt, 2/-
 Gold, 14 ct., 10/-
 Gold, 16 ct., 11/-

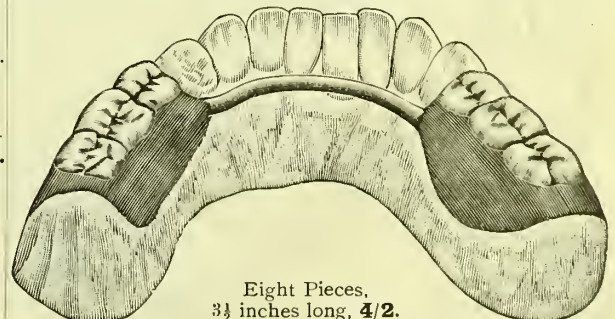


STRONGLY GILT SWIVELS AND BOLTS.

1/4 set.
 1/6 dozen sets; 16/- gross sets.
 Screw Swivels and Bolts 2/- 18/-
 Split " " 1/- set 8/6 doz. sets.
 Dental Alloy Swivels and Bolts ... 6/6 set.
 " " " " Gold Heads 8/- "

PLATINOID OVAL LINGUAL BAR.

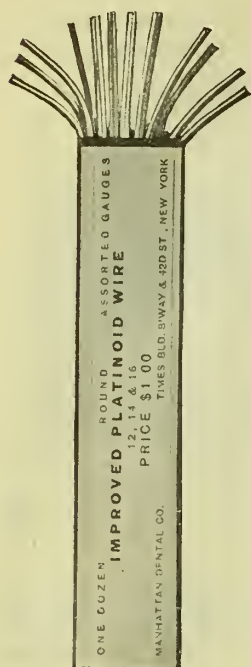
FOR PARTIAL LOWER DENTURES.



Eight Pieces.
 3 1/2 inches long, 4/2.

The bar is oval although it appears round in the cut. The ends of the bar may be flattened and to them soldered cross-pieces of plate for the attachment of the vulcanite.

The bar is stronger than vulcanite, much more comfortable to the patient and is more hygienic. It is stiffer than gold. It will not tarnish. Any carat gold solder can be used. Clasps can be soldered to them the same as gold.



Platinoid Wire (Improved),

A SUBSTITUTE FOR PLATINUM.

PLATINOID WIRE, Round or Square, can be used for crown posts, being harder and stiffer than Platinum. Any carat Gold Solder may be used.

PLATINOID.

Round Wire, 12 to 21 gauge, 12 pieces, 4 inches long	4/-
Square Wire, from 12 to 16 gauge, 12 pieces	4/-
Triangular Wire, 12 to 16 gauge, 8 pieces, 4 inches long	4/-
Half-Round Wire, 12 to 16 gauge, 8 pieces, 4 inches long	4/-

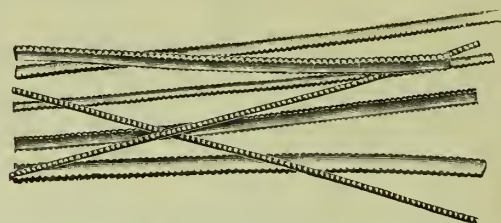
Platinoid Wire for regulating is especially drawn by Dr. Jackson's System of Regulating, being used and recommended by him. 16, 17, 19 and 21 are the gauges mostly used by Dr. Jackson. Put up in boxes, 12 pieces, 5 inches long, 4/-. Or in the coil at the same rate. We can give you special rates in quantities.

Platinoid Screw Posts.

WITH THREAD CUT FULL LENGTH.

THREE SIZES.

Per Dozen	...	...	...	...	...	3/-
-----------	-----	-----	-----	-----	-----	-----



Platinoid Bars.

FOR STRENGTHENING RUBBER PLATES.

THREE SIZES.

In Box containing One Dozen	...	...	...	2/-
-----------------------------	-----	-----	-----	-----

PLATINOID CROWN PINS	...	...	4/- dozen
" CLASP METAL	..	...	2/- "
" SCREW POST	...	...	3/- "

PATENTS.

Separate applications for patents have been filed both for the manufacture and for the product; which applications for the United States are under Sole License to the Meier Dental Mfg. Co. These applications cover the manufacture of a composite foil of Gold and Tin; suit will be filed against anyone attempting to manufacture, sell or use any composite Gold and Tin Material other than DUPLEX.

(Patented November 14th, 1911.)

TRADE

DUPLEX

MARK.

SCOPE.

A PURE GOLD AND TIN. SUPERIOR TO GOLD AS A BASE FOR FILLINGS.
DO NOT ANNEAL.

THE MEIER DENTAL MFG. CO.,
Manufacturers, ST. LOUIS, MO.
LEE S. SMITH & SON CO.,
Distributors, PITTSBURGH, P.A.

PRICE LIST.

DUPLEX IS NOT SOLD BY WEIGHT.

Each package contains a quantity of DUPLEX which, when compressed, will equal in volume one-eighth ounce compressed Gold.

Single Packages	...	...	...	...	...	8/4
Five	..	...	...	...	...	38/6
Ten	..	...	...	...	...	75/-

DUPLEX is a combination of pure Gold and Tin and is for use as a base for all Gold fillings, a veneer of Gold being used for finishing. It is superior to Gold alone as a preservative of teeth.

Full Directions for use on Inside Wrapper.

DO NOT ANNEAL.

LIST OF PRECIOUS AND OTHER SHEET METALS, WIRES AND SOLDERS.

No. 975.

PRICES FLUCTUATE.

Common gold, sheet or wire	...	30/- oz.
9 ct.	...	40/- "
12	...	50/- "
15	...	60/- "
18	...	70/- "
22	...	85/- "
24	...	90/- "
Gold Solder for 7 and 9 ct. gold	...	20/- "
" " 12 ct. gold	...	30/- "
" " 15 and 18 ct. gold (No. 3)	...	50/- "
Dental Alloy, sheet or wire, best quality	...	60/- "
Dental Alloy, 2nd quality	...	50/- "
Platinum, sheet or wire, prices on application.	...	
Best Silver Solder	...	2/6 oz.
Standard Silver Sheet (special quotations for quantities)	...	2/6 "
Standard Silver Wire, according to size and fashion from	...	2/8 "

Fine Silver Sheet	...	2/11 oz.
" " Wire	...	3/- "
<i>All the above precious metals sold by Troy Weight.</i>		
Copper Sheet and Wire	...	1/2 lb.
Brass Sheet and Wire	...	1/- "
Alloy Copper Wire (special quotations for large quantities)	...	1/9 "
Gilding Metal Sheet and Wire	...	1/2 "
Pewter Sheet, very best quality	...	2/6 "
Britannia Metal	...	2/6 "
German Silver Sheet and Wire	...	2/- "
Aluminium Sheet	...	4/- "
Aluminium Wire	...	5/- "
Grain Tin	...	2/6 "
Pure Zinc Spelter	6d. lb., 7 lbs. 3/-, 35/- cwt.	
Pure Lead	4d. lb., 7 lbs. 2/-, 25/- cwt.	
Bismuth	...	16/- lb.
Antimony	...	1/6 "

Die Metal	...	3/- lb.
Pewter Solder	...	1/4 "
Pearl	to solder in mouth	3d. stick
Polishing Metal	...	3/- lb.
Swaging	...	3/- "
Babbitt's Metal	...	3/- "
Pattern Lead...	...	6d. "
Spence's Metal	...	1/- "
Weston's Metal	...	3/- packet
" " Inlay	...	1/- "
Gartrell's Fusible Metal	...	10/- lb.
Victoria Metal, sheet or wire	...	8d. oz.

See also Strengtheners.

Mellotte's Fusible Metal	...	2/6 packet
Steel piano or music wire, according to size	...	from 2/- to 4/- lb.
Black Steel, suitable for tools, etc.	...	1/- "
Nilexum Alloy, light	...	1/- "
" " heavy	...	1/6 "

IMPROVED GOLD STRENGTHENERS FOR VULCANITE CASES.

JUTERBOCK'S PATTERN.

BRITISH MANUFACTURE.

MADE IN LONDON.



No. 1.

With Gold Bar 6/6
Without „ 6/-



No. 2.

With Gold Bar 6/3
Without „ 5/9



No. 3.

With Gold Bar... .. 6/-
Without „ 5/6



No. 4.

With Gold Bar 5/9
Without „ 5/3



No. 5.

With Gold Bar 5/-
Without „ 4/6



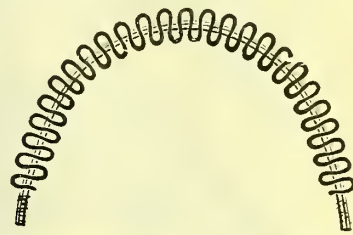
No. 6.

With Gold Bar 5/3



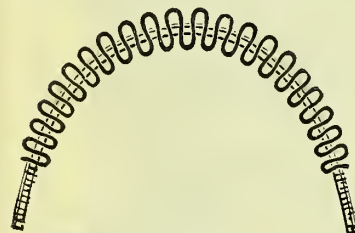
No. 7.

With Gold Bar 5/9



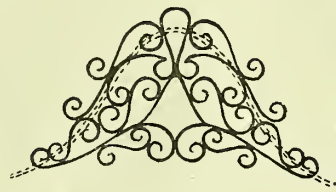
No. 8.

With Gold Bar... .. 6/6



No. 8a.

With Gold Bar (extra strong) 7/6



No. 9.

With Gold Bar 10/6
Without „ 10/-



No. 10.

With Gold Bar 11/-
Without „ 10/6



No. 11.

With Gold Bar 12/3
Without „ 11/9



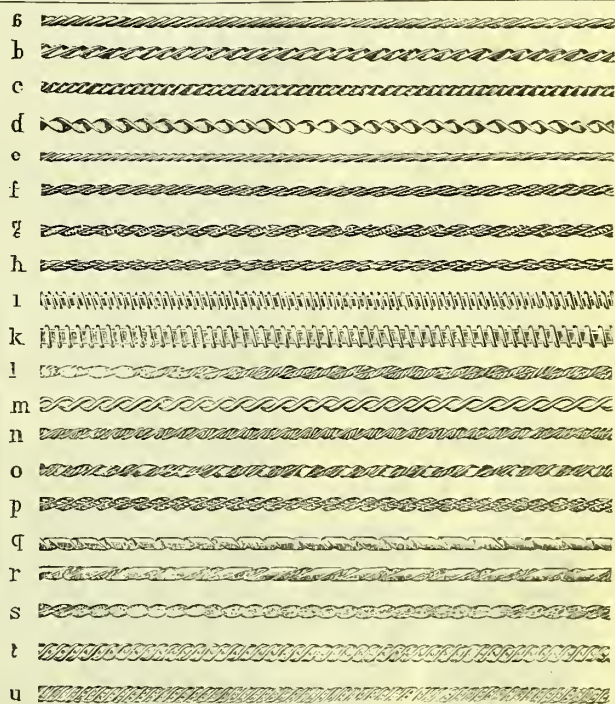
No. 12.

With Gold Bar 12/6
Without „ 12/-

GAUZE INLAYS, VICTORIA METAL HEAVILY GILDED.
In Plates of 3 by 5½ inches. Price 1/- each.

GOLD CASED WIRE. 4/- per oz.

HALL'S WHITE METAL BARS... .. 2/6 per packet.
P.C.L. 1/-
„ HALL'S PATTERN BARS 1/6
SPYER'S SUCTION CAVITIES S.S.W. 2/- per box.
VICTORIA METAL SHEET, PERFORATED 1/- each.
ALUMINIUM SHEET, PERFORATED SHEETS, 4 ins. wide 1/6 per foot.



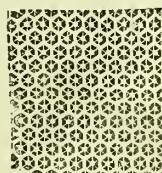
VICTORIA METAL STRENGTHENERS

1/- per bundle of 12. 10/6 per dozen bundles.

VICTORIA METAL STRENGTHENERS

similar to Juterbock's. 1/- each. 10/- per dozen assorted.

INLAY PLATES FOR STRENGTHENING VULCANITE DENTURES.



No. 511A. No. 512.

These Plates are conically pierced and an excellent unity of metal and vulcanite is obtained.

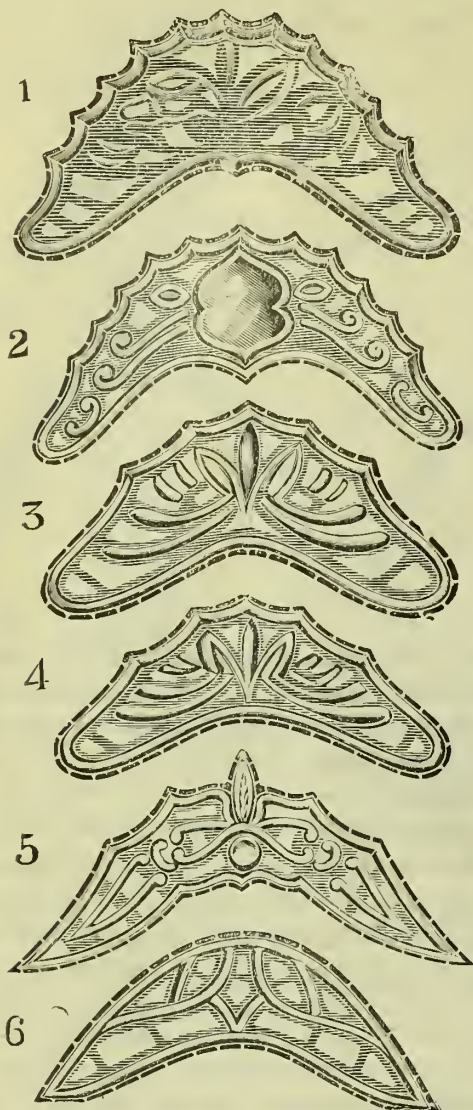
Victoria Metal, No. 512,
527, 2½ by 3½ in. per doz. 4/-
Aluminium, No. 511A,
523A, 2½ by 3½ in. per doz. 4/-



No. 523A. No. 527.

VICTORIA METAL SHEET AND WIRE.

Reduced in price. 8d. per oz.



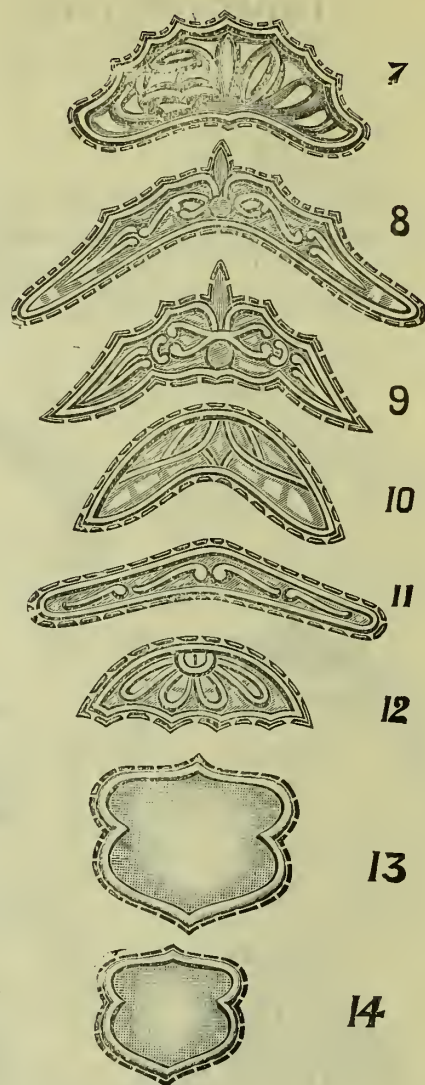
STRENGTHENERS

(Known as STEPHANE'S PATTERN).

IN 18 CARAT GOLD AND BEST DENTAL ALLOY.

		Gold.	Dental Alloy.
No. 1 Solid ...	...	14/5	6/8
„ 1 Perforated ...	...	12/10	6/8
„ 2 Solid ...	...	12/10	6/8
„ 2 Perforated ...	...	11/3	6/8
„ 3 „ ...	...	10/5	5/-
„ 4 „ ...	...	9/3	5/-
„ 5 „ ...	...	8/10	5/-
„ 6 „ ...	...	8/-	5/-
„ 7 Solid ...	...	7/3	4/5
„ 7 Perforated ...	...	6/5	4/5
„ 8 „ ...	...	6/5	3/7
„ 9 „ ...	...	5/8	3/7
„ 10 „ ...	...	5/3	3/7
„ 11 „ ...	...	5/3	3/7
„ 12 „ ...	...	4/5	2/9
„ 13 Suctions, solid	...	7/3	3/7
„ 14 „ „	...	5/6	3/3

When ordering the above, please mention FRENCH Pattern.



SIZES.



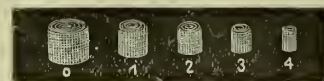
Biber's Gold Cylinders.

IN SIX SIZES, ALSO ASSORTED.

Nos. 1—6.

Per $\frac{1}{8}$ oz. ...	...	...	...	...	...	16/6
„ 1 oz. ...	...	...	...	...	...	128/-

Wolrab's Gold Cylinders.

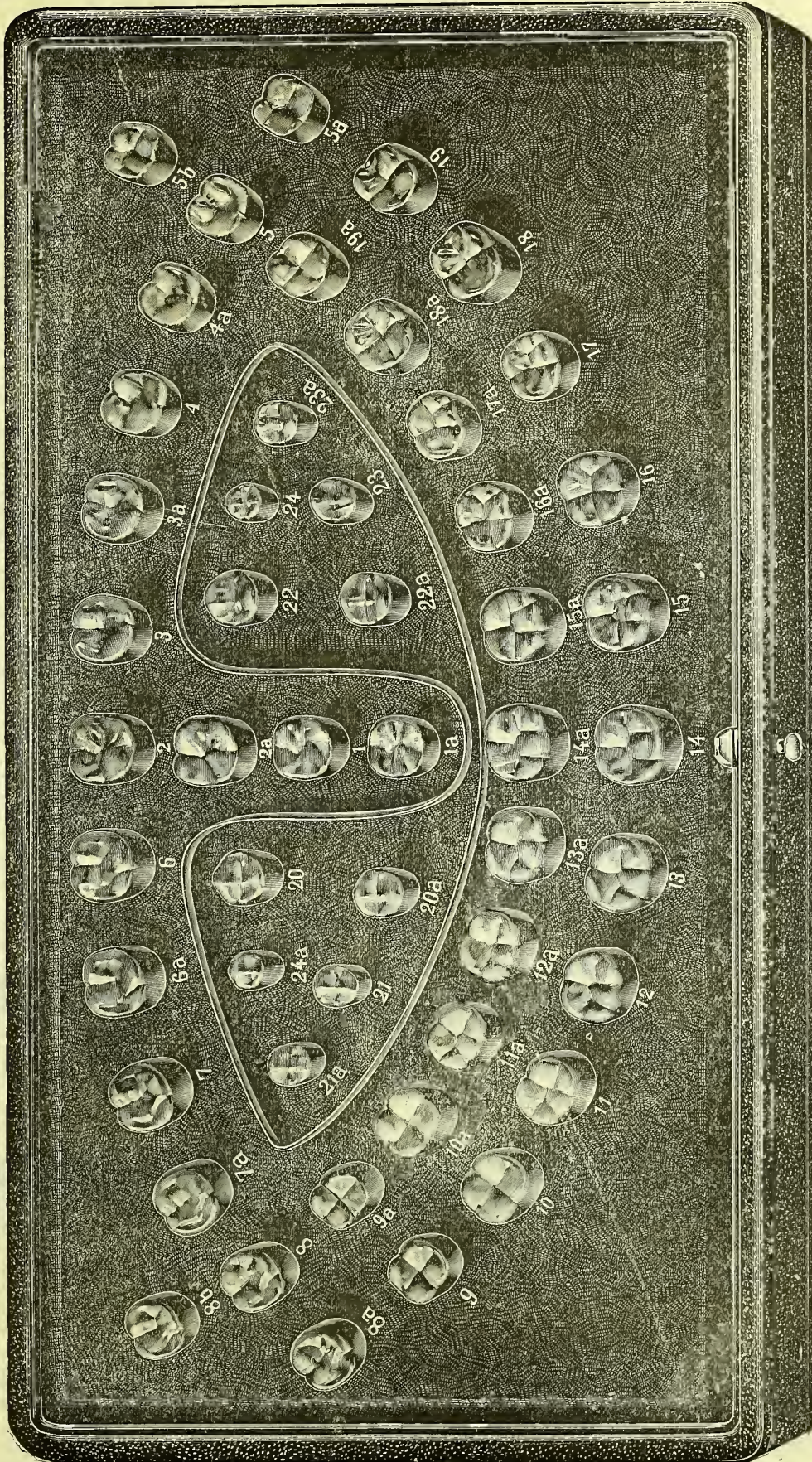


No. 0 to 5 or assorted ...	...	$\frac{1}{8}$ oz., 16/6
Packs, Gold Cylinders ...	...	$\frac{1}{8}$ oz., 16/6

Per $\frac{1}{8}$ oz., 16/6

Per 1 oz., 128/-

BIBER'S SEAMLESS CROWNS IN 22 CARAT GOLD.



£ 18 0 s. 0 d.

SEAMLESS GOLD CROWNS.

**British
Manufacture.**

**Made in
London.**

UPPER.

RIGHT.



LEFT.



LOWER.

LEFT



RIGHT.



BICUSPIDS, 6/6

MOLARS, 8/6

These Crowns are made of 22ct. gold, specially prepared and alloyed to ensure great hardness, strength and prevent oxydisation.

They are struck in one piece from the metal, no solder whatsoever being employed, and are manufactured in a variety of sizes which will meet every ordinary requirement.

The inner part is roughened, and it follows that a greater hold on the tooth surface or cement is thus obtained. Double Crowns for removable bridgework made to order.

ACCURATELY FITTED SPECIAL CROWNS
made to any model or plaster cast at an extra cost of 2/-

The Number corresponding to the Crown need only be mentioned when ordering.

The Moore's Modern Methods Dentist's Outfit.

A COMPLETE DENTIST'S INTRODUCTORY OUTFIT.

For the keeping of every detail.
Work to be done. Progress of Work.
Amount Paid and Owning.

For 5/-

Consists of—
1 Strong Canvas Binder, with our
patented unique and simple lock.
200 Ruled Sheets on High Grade
Bond Paper.

27 Lettered Alphabetical Double
Tabbed Index.

25 Patent Steel Markers. A simple invention that aids greatly in cross indexing.

For 5/-

How the Moore's Modern Methods Dentist's Records work.

It will be noted that the form is printed with a chart of the teeth, each tooth being numbered and arranged that the work done on any part of it can easily be marked in its proper location.

By utilizing our small Movable Markers accounts may be marked for attention on any particular date, whilst the alphabetical arrangement is maintained.

We will assume that tooth No. 10 has been filled with gold, after marking the place on the tooth to show the exact position of the filling, the figure 10 would be entered in the second column on the chart under the heading "Gold Filling," and the amount charged placed opposite to this, under the column "Debtor."

We recommend that the record forms be divided into two sections; the first being marked "Open Accounts." In this division of the book are kept all the accounts with patients who are having work done at the present time, the forms being arranged between alphabetical index sheets, affording instant reference to any patient's account.

The other section, "Closed Accounts," could be arranged in alphabetical order. These would comprise patients whose work has been finished and paid for.

Further Sheets can be had at **1/-** per 100 or **10/-** per 1,000.

Specimen Sheets sent if requested.



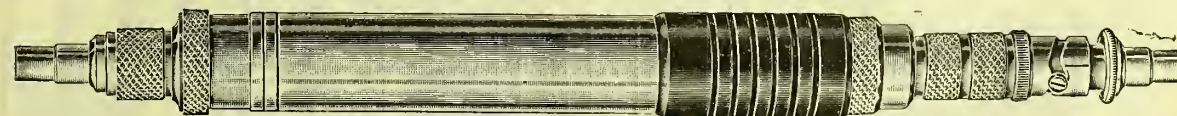
Fig. 1.—The Mallet. A very superior and well-made Instrument. Made for Nos. 1 and 2 Slip Joint, or Nos. 4 and 7 Handpieces. Complete in Case with R.A. Attachment. Two Keys and six R.A. Points. 30/- each.



Abbot's Double
Action Mallet.
21/- each.



Power's Engine Mallet,
for No. 7 or No. 2 Slip
Joint. **15/6** each.



Improved
Double Action
Mallet, P. C. L.
25/- each.

S. S. W. AUTOMATIC MALLET. This Mallet has six variations of stroke and twelve distinctly different blows. Price **29/-** each.

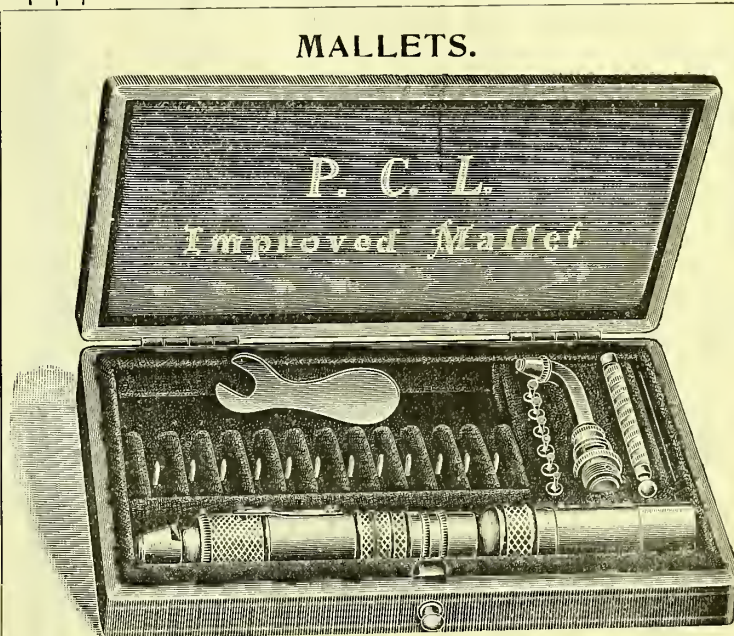
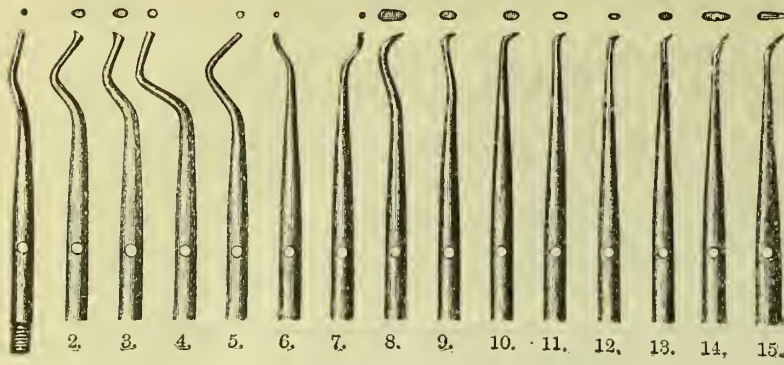
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Fig. 2.—The Outfit. The best Outfit ever offered—and at a fair price.

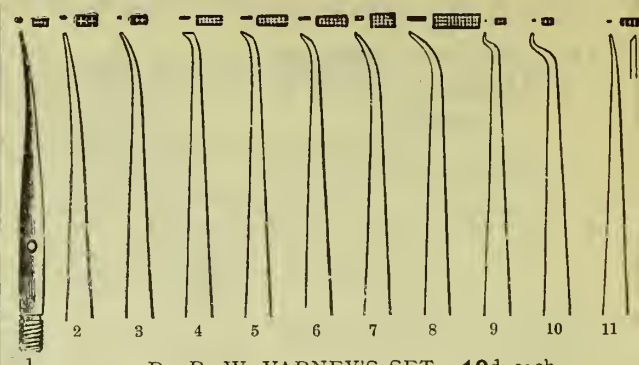
P. C. L. IMPROVED Mallet.

This Mallet has a great advantage over others of a similar kind. A small press spring is acted upon by the finger by which the Mallet is put out of action whilst engine is running. (It is almost impossible to shake the gold off point.) By releasing pressure of finger it is immediately in action again.

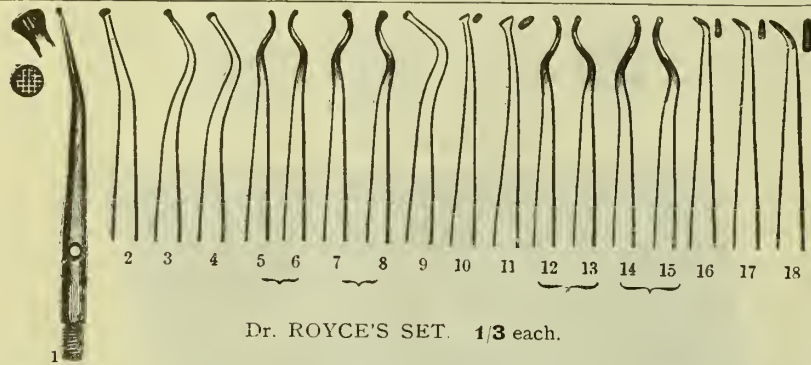
MALLET POINTS.



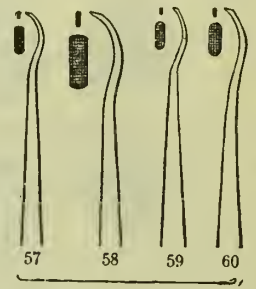
Dr. LADMORE'S SET. 10d. each.



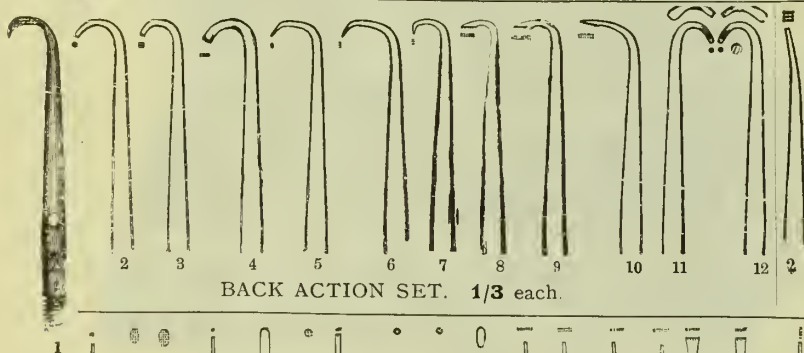
Dr. R. W. VARNEY'S SET. 10d. each.



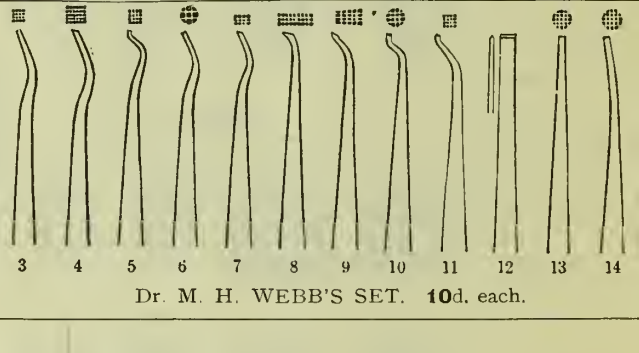
Dr. ROYCE'S SET. 1/3 each.



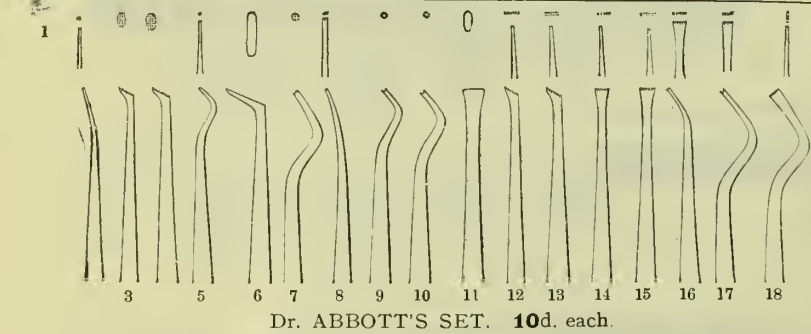
PARMLEY'S-BROWN'S SET 10d. each.



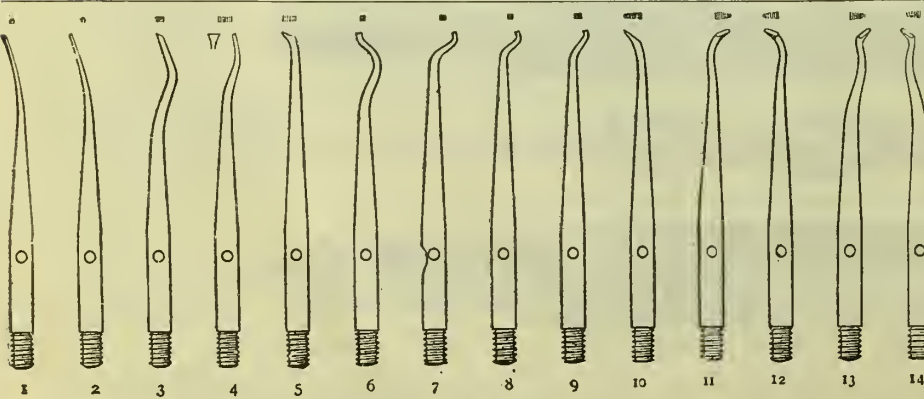
BACK ACTION SET. 1/3 each.



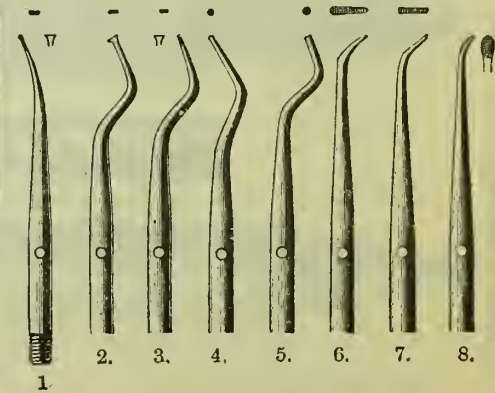
Dr. M. H. WEBB'S SET. 10d. each.



Dr. ABBOTT'S SET. 10d. each.

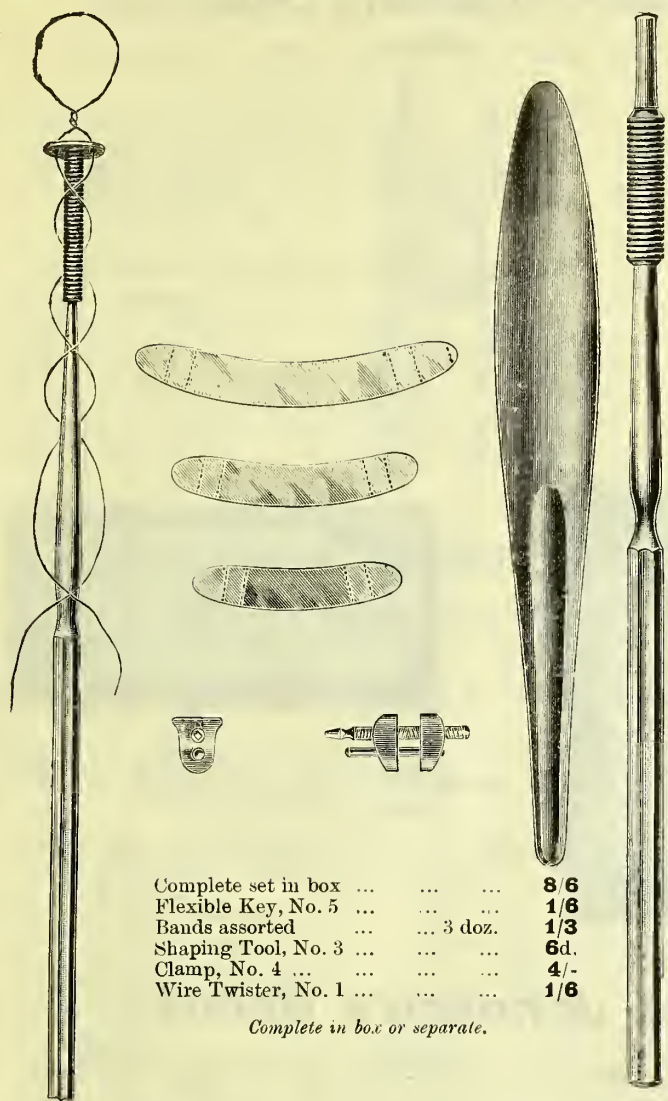
Mr. MANSBRIDGE'S SET.
10d. each.

CLANDE-ROGERS' SET. 10d. each.



"SPECIAL" SET. 10d. each.

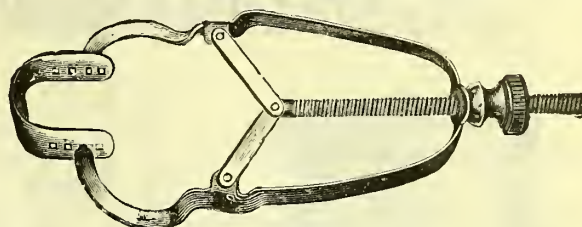
Mr. R. P. LENNOX'S MATRIX OUTFIT.



Complete set in box ...	...	8/6
Flexible Key, No. 5 ...	...	1/6
Bands assorted ...	3 doz.	1/3
Shaping Tool, No. 3 ...	...	6d.
Clamp, No. 4 ...	...	4/-
Wire Twister, No. 1 ...	...	1/6

Complete in box or separate.

IVORY PATTERN RETAINER.



Price ... 5/6. BANDS ... 1/- per doz

P.C.L. STRIPS CELLULOID.

Price ... 2/- per 100.

MILLER'S (S.S.W.) MATRICES.

Price ... 9 in box. 9/-

LADMORE BRUNTON'S SET.

Price ... 7/6

MEASURING GLASSES

Price ... 9d. each.

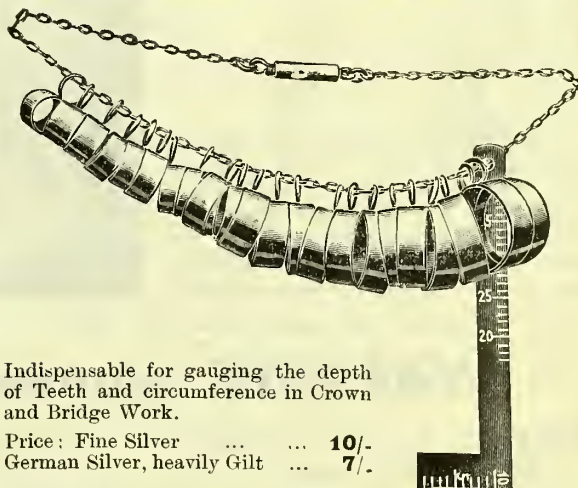
MOISTENING PADS, S.S.W.

Price ... 3/6

MOISTENING PADS HOLDER.

Price ... 3/-

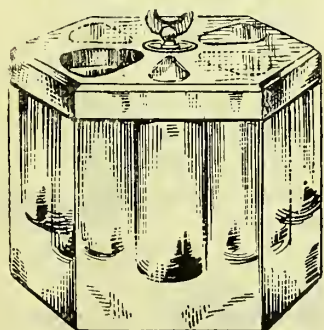
BIBER'S MEASURING RINGS ON CHAIN.



Indispensable for gauging the depth of Teeth and circumference in Crown and Bridge Work.

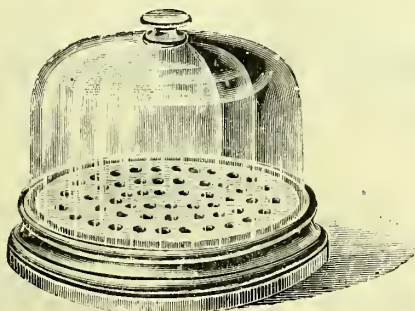
Price: Fine Silver ... 10/-
German Silver, heavily Gilt ... 7/-

MEDICAMENT GLASS.



Price ... 4/- each.

GLASS TOP BUR STAND.



Price ... 3/- each

SMALL HARDWOOD BAR for shaping Measuring Rings.

Price ... 6d.

ABS. ALCOHOL.
IODOFORM.
CARB. ACID.
CREASOTE.
NIT. SIL.
ACONITE & IODINE.
TINCT. IODINE.
OL. EUCALYPTUS.
MASTIC.
CARB. RESIN.
ARSENIC.
CHLORA-PERCHA.
OL. CINNAMON.
OL. CLOVES.
CHLOROFORM.
CHLORA-HYDRO.

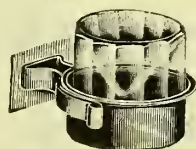


Named Bottles,
1/- each.
As above.

DAPPENS GLASSES.

Various Colours.

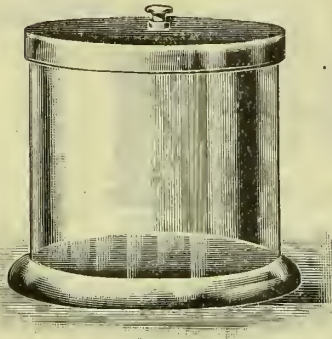
Price ... 5d. each.



HOLDER FOR DAPPENS GLASSES.

Price ... 8d. each.

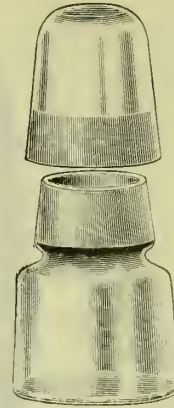
MEDICAMENT BOTTLES, etc.



BOX

For Wool, etc.

Nickel Plated Lid,
2/- each.



BOTTLE

For Anæsthetics, etc.

No Cork or Stoppers,
1/- each.

Red Cross

ASEPTIC GLASS JAR

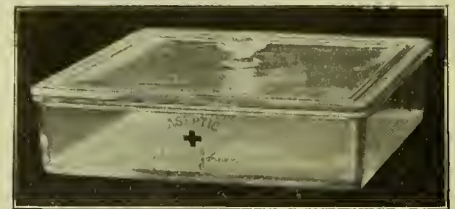
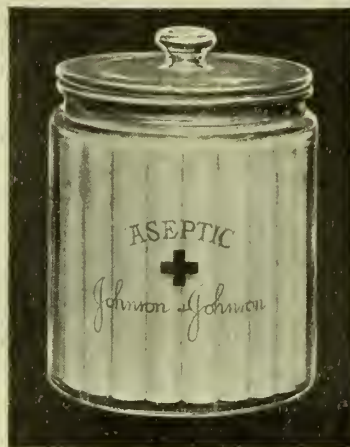
For Dental Rolls.

Here is something that every dentist who uses Cotton Dental Rolls will want as soon as he sees it.

An air-tight glass receptacle. Dust proof. Absolutely clean—and shows it. Easily opened with one hand. No chance for the bearing to bind. Not a ground contact, but a rubber cushion on a bevelled contact. Very simple and it works.

A convenient container for Cotton Dental Rolls, always at hand, that takes up less room than the original box. The Red Cross enamelled on the side and the imprint in etching. Made in two sizes.

Large Size for 6 in. Dental Rolls, 4/- each
Small Size for 1½ in. Dental Rolls, 3/6 each.



ASEPTIC GLASS DISH

For Dental Napkins.

A shallow, square glass dish made for the
1½ 6 in. Aseptic Dental Napkin, 4/9 each.

NAPKINS (Johnson & Johnson's Goods).

ASEPTIC PAPER COVERS for Bracket Table.

100 in Box, Sterilized and sealed, 3/1
6 Packets, 10 per cent. off.

RUBBER DAM NAPKINS.

50 in Box, 2/1
6 Packets, 10 per cent. off.

RED CROSS ABSORBENT PLEDGETS (Sterilised).

Per box (about 5,000), 1/-
6 Packets, 10 per cent. off.

RED CROSS BIBULOUS PAPERS.

1/- 6 Packets, 10 per cent. off.

ASEPTIC DENTAL FLOSS SILK (Waxed).

12 yards in Box, 4½d. 4/2 doz.
6 Boxes, 10 per cent. off.

CAMPHENOL.

5d. Bottle. 6 Bottles, 10 per cent. off.

ASEPTIC DENTAL NAPKINS (Sterilized).

No. 1.

50 in Box, 6 ins. by 6 ins., 1/1
50 „ 9 ins. „ 9 ins., 2/1
500 „ 6 ins. „ 6 ins., 8/9
500 „ 9 ins. „ 9 ins., 18/9

No. 2.

50 in Box, 6 ins. by 6 ins., -/10
50 „ 9 ins. „ 9 ins., 1/8
500 „ 6 ins. „ 6 ins., 6/3
500 „ 9 ins. „ 9 ins., 13/9

COTTONOID (Sterilized).

4 oz. Package, 12 ins. by 3½ ins., 1/1
6 Packets, 10 per cent. off.

ABSORBENT COTTON ROLLS (Sterilized).

100 in Box, 1½ ins. long, 1/1
500 in Box, 1½ ins. long, 3/6
Put up in 4 diameters or all one size in box.
6 Packets, 10 per cent. off.

NEEDLES—See Syringes.

NERVE EXTRACTORS, BROACHES, ETC.

BEUTELROCKS NERVE CANAL INSTRUMENTS.

(SEE ALSO BROACHES PAGE 19).

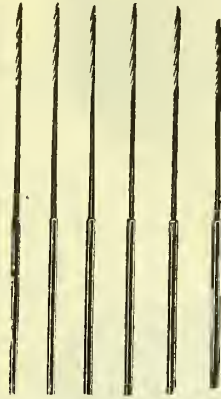
The Small Assortment contains a set of 18 instruments, viz:

- 6 Drills for the hand-piece of the dental-engine.
 6 " right-angle-piece "
 6 " hand. "

18 together in case, Price 15/- set, or 10d. each piece.

NERVE INSTRUMENTS—Various.

JENKIN'S Toughened Back Nerve Extractors. Assorted Sizes ...	...	1/9 dozen
Nerve Broaches for Dressing ...	... from 6d. "	
Nerve Canal Stoppers ...	...	10d. each
De TREY'S Fellowship Broaches ...	...	2/- per packet of 6
Nerve Canal Pliers, Curved or Straight, for removing broken Drills, etc. ...	...	4/- each
Consolidated Co.'s Broaches ("Realization") ...	...	2/- per packet of 6
Excelsior Broaches ...	...	2/- "



NERVE EXTRACTORS.

P.C.L. BRAND—Warranted.

Nerve Extractors, No. 1, assorted	1/- each
Nerve Extractors, Flexible, No. 3	1/6 "
Nerve Extractors, Donaldson	
Patent Cleansers ..	2/6 "
Plain Broaches, Soft ...	9d. pkt.
Plain Broaches, Donaldson	
Pattern ...	2/- "

All above are warranted finest quality steel, and best finish.

S. S. WHITE'S MANUFACTURES.

DONALDSON'S NERVE BRISTLES, SPRING TEMPERED IN PACKAGES OF HALF DOZEN.

No. 1. Four hooks and 2 roughened (handles)	5/- box, 1/- each
" 2. All ...	" " " "
" 3. Four hooks and 2 rough'd (no handles)	3/- pkge., 7½d. each
" 4. All ...	" " " "

All roughened (handles) ...	5/- box, 1/- each
" plain ...	" " " "
" roughened (no handles) ...	3/- pkge. 7½d. each
" plain " " " " "	" " " "

S.S.W. DONALDSON'S CLEANSERS, NERVE OR PULP CANAL.

No. 1. Assorted Sizes (handles) ...	7/- box, 1/3 each
" 2. All fine " " " "	7/- " 1/3 "
" 3. All medium " " " "	7/- " 1/3 "
" 3. Assorted sizes (short handles) ...	7/- " 1/3 "
" 3. All fine " " " "	7/- " 1/3 "
" 3. All medium " " " "	7/- " 1/3 "
" 4. Assorted sizes (no handles) ...	5/- package, 1/- "
" 4. All medium " " " "	5/- " 1/- "
" 5. All fine " " " "	5/- " 1/- "
" 5. Extra fine " " " "	5/- " 1/- "
" 6. Assorted, for adjustable handle (no handle) ...	5/- " 1/- "
" 6. All fine do. do. ...	5/- " 1/- "
" 6. All medium do. do. ...	5/- " 1/- "
" B. Between fine and medium ...	5/- " 1/- "

S.S.W. NERVE BROACHES OR EXTRACTORS.

No. 1. Assorted sizes, soft or half soft ...	2/- packet
" 2. Extra small " " " "	2/- "
" 3. Small " " " "	2/- "

NERVE DESTROYING PASTE.

Ballock's ...	5/-
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NERVE DEVITALISING FIBRE.

Price ...	2/-
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NEEDLES (SCHEMELS).

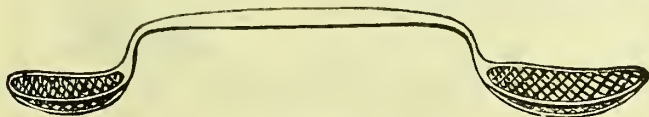
Tube of 6 ...	10d.
Tubes, per dozen ...	8/-

(See also Syringes).

NERVE CHARTS.

For Crown and Bridge work ...	5/-
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ORAL NET SPOON.



For use during Extractions under Anæsthetics.

Price ...	5/6 each
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PLASTER.

NOT CARRIAGE PAID.

Best Fine Plaster ...	4/6 cwt.	Packed in 7 lb. bags, 6d. bag
Best Superfine Plaster	9/-	" " " " 8d. "
Fine Plaster, packed in Airtight Tins suitable for Abroad	7/6 cwt.	" " " " "
Superfine Plaster	"	" " " " 13/- "
Packed in 2 lb. Airtight Tins	"	" " " " 6d. each

PANS (Boiling, etc.)

Copper Pans ...	from 8d. each
Porcelain, no handle ...	6d. to 1/6 "
Porcelain, with handle ...	2/3 "

PUMICE.

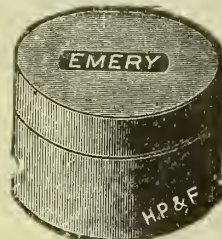
Fine ...	14 lbs., 2/-; 3d. lb.; 12/- cwt.
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POLISHING MATERIALS, Etc.



No. 365.

Small Boxes, 2/- doz. Per lb. 4d.
Per 14 lbs. 3 1/2 lb.
Lump, 8d. lb.

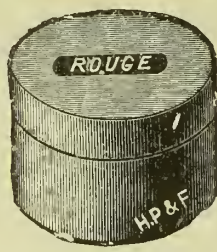


No. 364.

Small Boxes, 2/- dozen.
All sizes from 40 to 120 holes,
4d. lb.
Flour ditto 1/-
Washed Flour ditto 2/-
See also Emery Buffs, Paper, etc.

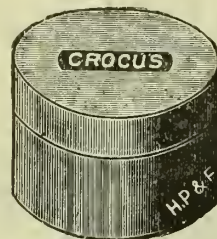
EMERY POWDER. No. 314.
60 to 120 ... 4d. lb.
Flour... 1/- lb.
Washed ... 2/- lb.
Burnishing Emery... 6 6 lb.

PUTTY POWDER. No. 315.
Ordinary Quality, 1/3 lb.
Superior .. 2/- lb.



No. 363.

In Packets 3d. and 6d. each.
In Boxes 6d., 9d., 1/-, 1/6 each.
Ordinary Quality, 2/- lb.
Best .. 3/- lb.
Superfine .. 4/- lb.



No. 369.

Small Boxes 2/- dozen.
Best Quality, 7d. lb.

PLATE POWDER. No. 316.
Best 1/- per box.
Ordinary Quality, 2/- lb.

PUMICE POWDER. No. 317.
2d. and 3d. per lb.
14 lbs. 2/-

RUBBER BLOCKS
For Polishing. No. 319.
Suitable for Plate, from 2/- each

CHALK SQUARES. No. 344.
In Soft, Medium or Hard Quantities, 9d. per doz.

CALCINE MARBLE DUST
No. 345. Finest Quality 9d. lb.

UNIVERSAL EMERY BUFF STICKS. No. 362.
Round, thin, square, flat, 6d. each.

T.B.L. PLATE POWDER.
No. 361. Price 1/- per box.

POLISHING COMPOSITION.

No. 352. For Horn, Ivory.
Tortoiseshell, Vulcanite, etc., etc.
No. 1, for Pearl Polishing, 1/6 lb.
No. 2, for Tortoiseshell, Horn, Celluloid, etc., 1/6 lb.
No. 3, for Ivory, Bone, Celluloid, Vulcanite, etc., 1/4 lb.
No. 8, for Tortoiseshell, Horn, Celluloid, etc., 10d. lb.
No. 6, for Ivory, Ebonite, Vulcanite, Horn, 1/- lb.
No. 105, Powder for Burrell Polishing 8d. lb.

MARBLE DUST.
No. 355. 10d. lb.

GALVANIT. No. 356.
Silver, Nickel, Tin, Copper, Cadmium. Price 1/- per box.

LAMB'S PLATE POWDER.
No. 357. Contains no mercury.
4d. per box.

EMERALD POWDER.
No. 358. 9d. per box.
A Unique Polish for Platinum.

ALCIMARCENTO SILVERING SOLUTION.
No. 359. Silvers Brass and Copper instantly and also silvers Worn Electro Plate.
Price 1/- per bottle.

Cuttle Fish Powder ... per lb. 2/-
Precipitated Chalk ... ,, 6d.
Prepared Chalk .. ,, 3d.

DARBY'S POLISHING BUFFS,
1/8 per box.

WOOD POLISHING POINTS,
100 Assorted, 2/6

Ideal Flower of Pumice.

Very fine and white, for cleaning Teeth by the Dr. SMITH'S METHOD, with properly shaped wood points. Ordinary pumice wears the teeth, especially the cementum. This pumice does not. Neatly put up in cans.

Price, 9d. per can.

S.S.W. LEATHER POLISHING WHEELS, 1/8 box.

THICKENED RIM WHEELS,
400, 4/-

AUSTIN FLEXIBLE RUBBER PLATE FINISHER.

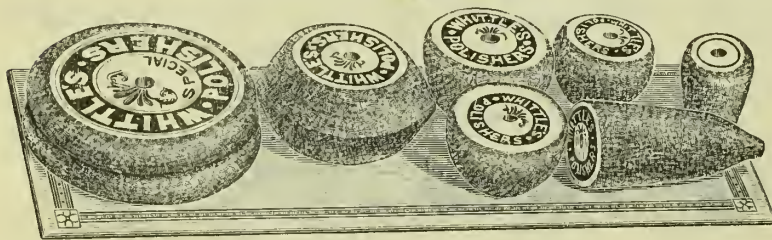
Consists of a flexible rubber carrier, mounted upon a split chuck, and carrying emery paper or cloth, secured by a brass collar or ferrule. When the finisher is screwed on a taper screw chuck, as illustrated, or taper spindle of a lathe, the flexible carrier is expanded to securely hold the paper or cloth between the brass collar and the carrier. Price, including a supply of cloth, 2/-

Extra Cloth or Paper, 5d. per pkt.

PLATE PASTE.
(Bridgeman's)
7/- tube.

WHITTLE'S SPECIAL POLISHERS

For Dentists.



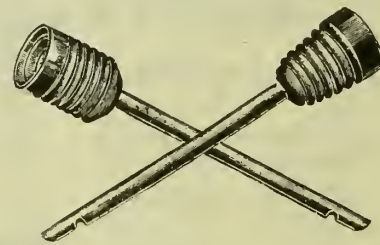
These Polishers are of such a spongy nature that they will adapt themselves to any part, getting between and behind the teeth, and also in very high and narrow roofs. A plate may be taken, after sand-papering, and finished ready for the month in a few minutes.

ADVANTAGES.

1. These Discs do not get hot, and consequently do not warp the plates.
2. They greatly diminish the amount of time required for sand-papering.
3. They always retain their shape.
4. Will Re-polish the face of GROUND TEETH in two minutes.
5. Will save their cost in one day.

THE PRICES ARE:

For Box containing 4 Assorted Sizes and Shapes	...	...	...	...	2/6
" " 8 " " " " " "	...	...	...	...	4/6
" " 3 Cones, Assorted Sizes	...	...	...	...	2/-
" " 6 " " " " " "	...	...	...	...	3/9
" " 100 Assorted Sizes for Mouth Engine	...	...	...	...	1/6

PERFECT TOOTH CLEANERS AND POLISHERS

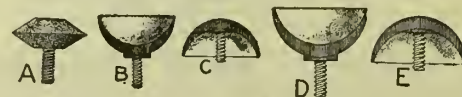
Made of rubber, vulcanised on to mandrels, flexible and efficient.

The best instrument to clean the teeth quickly and thoroughly.

Far superior to brushes, as these soft rubber polishers are so designed that they will not permit any powder used for polishing to scatter.

Price, each 6d. Six for 2/6

YOUNG'S POLISHERS
For Cleaning Teeth, Polishing Fillings, &c.
Made on the heads of the screws.

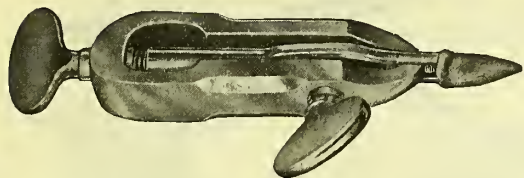


See those screws: they fit **Mandrel**. Never slip. Run truer and outlast any other polisher.

Price 2/- per doz.

YOUNG'S MANDRELS
For handpiece only - - 1/- per doz.

POST PULLER. THE LITTLE GIANT.



One-third of the Dentists in the United States and Canada now use a Post Puller which eliminates the use of a drill and prevents the possibility of splitting the root.

Over twelve thousand dentists in America use the LITTLE GIANT Post Puller—use it right along.

One said: "If I could not replace my LITTLE GIANT Post Puller, fifty dollars would not buy it from me." Another wrote me saying: "The LITTLE GIANT Post Puller is worth its weight in gold when needed." Such expressions reach me every day.

The average time for extracting pins or posts with the LITTLE GIANT is *three minutes*, as against an hour or more taken by the usual methods. The time saved pays for one in a few operations.

In addition, the LITTLE GIANT insures an almost painless operation, as it makes the use of a drill quite unnecessary and saves most of the bother incidental to usual methods.

Then there is no fear of splitting the root. This possibility is avoided by the peculiar construction of the Post Puller itself.

And it's so simple in operation! Just grip the pin or post by turning the thumbcrew at rear to the left and tighten by a turn on the thumbscrew at side; then the extraction is accomplished by turning the thumbscrew at rear to the right. No fear of slipping or breaking.

Price, 12/6 each.

HARVARD BASE PLATE.

The Ideal of the Operator.



THE HARVARD BASE PLATE is of similar composition to the Modelling Compound, but it is very much harder.

It is a great advance over the ordinary wax plate, because it will not bend or give when taking the bite or "trying-in," even if left in the mouth for a considerable time; consequently the operator is assured of getting **an exact bite and a perfect fit.**

The Harvard Base-Plate is equal in stiffness to a rubber or metal plate.

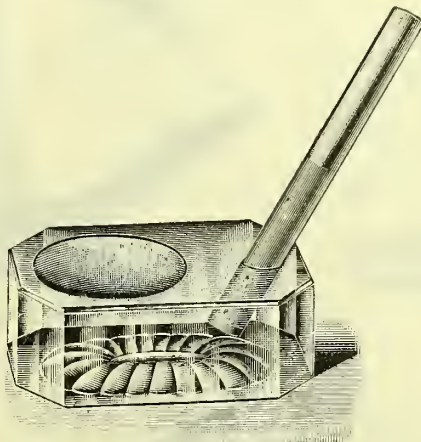
Price per box,
containing 12 plates, 2/5

GLASS PESTLE & MORTAR.



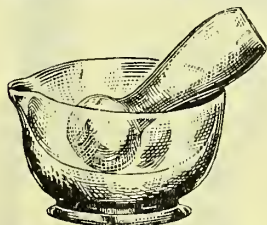
Price 1/- each.

NEW PESTLE MORTAR and GLASS.



Price 2/- each.

GLASS PESTLE & MORTAR



Price ... Small, 6d., Large 9d. each.

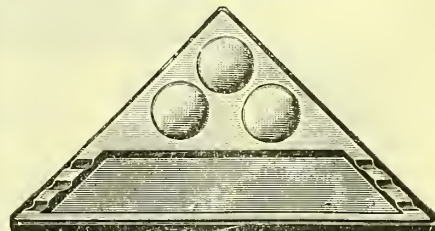
IDEAL BASE PLATES, S. S. WHITE'S

Price, per box 2/-

GRAFT'S BASE PLATES.

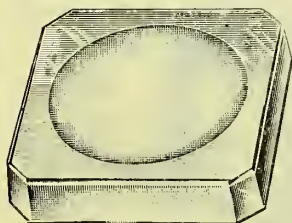
Price, per box 2/3

GLASS PALATE.



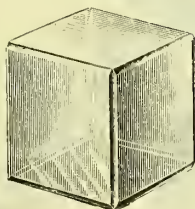
Price, 1/3 each.

MIXING DISH.



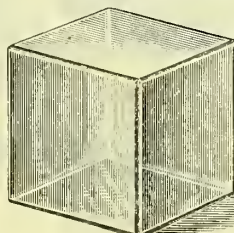
Price 10d. each.

GLASS CUBE. PLAIN.



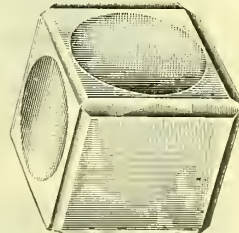
Price 1/- each.

LARGE CUBE.



Price 1/6 each.

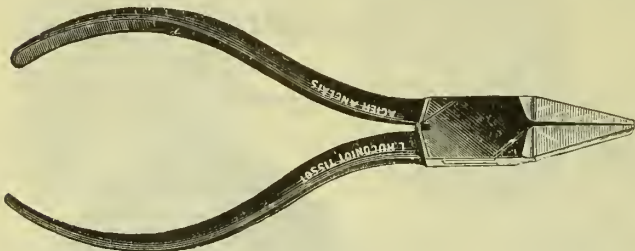
GLASS CUBE. 2 GROUND SIDES.



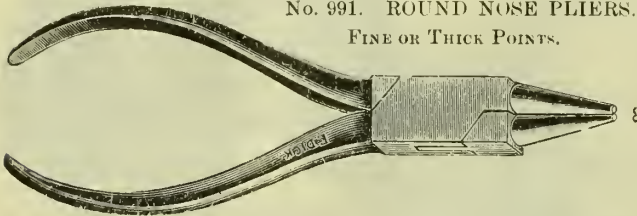
Price 2/3 each.

PLIERS AND NIPPERS.

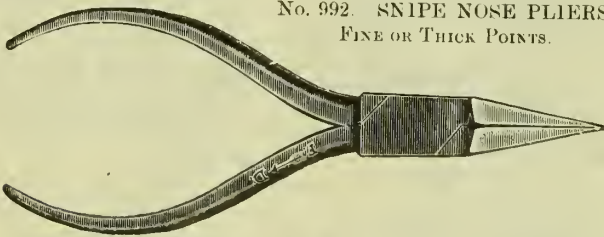
No. 990. FLAT NOSE PLIERS.



All Sizes to	4 $\frac{3}{4}$	5	5 $\frac{1}{2}$	5 $\frac{3}{4}$	6	7 inch.
Black ...	11d.	1/-	1/3	1/4	1/6	2/- each.
Bright ...	1/2	1/3	1/6	1/9	2/-	2/9 „

No. 991. ROUND NOSE PLIERS.
FINE OR THICK POINTS.

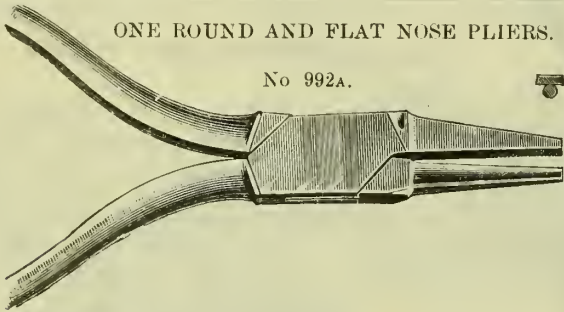
All Sizes to	4 $\frac{3}{4}$	5	5 $\frac{1}{2}$	5 $\frac{3}{4}$	6	7 inch.
Black ...	11d.	1/-	1/3	1/4	1/6	2/- each.
Bright ...	1/2	1/3	1/6	1/9	2/-	2/9 „

No. 992. SNIPE NOSE PLIERS.
FINE OR THICK POINTS.

All Sizes to	4 $\frac{3}{4}$	5	5 $\frac{1}{2}$	5 $\frac{3}{4}$	6	7 inch.
Black ...	11d.	1/-	1/3	1/4	1/6	2/- each.
Bright ...	1/2	1/3	1/6	1/9	2/-	2/9 „

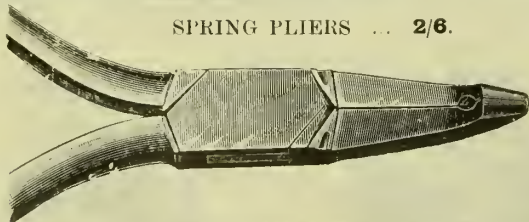
ONE ROUND AND FLAT NOSE PLIERS.

No 992A.

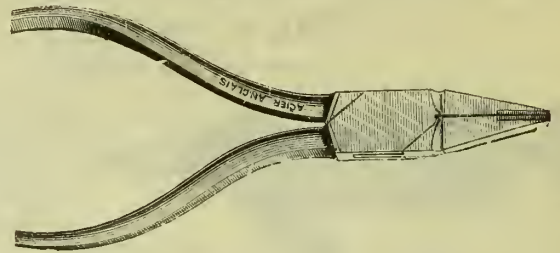


All Sizes to	4 $\frac{3}{4}$	5	5 $\frac{1}{2}$	5 $\frac{3}{4}$	6	7 inch.
Black ..	11d.	1/-	1/3	1/4	1/6	2/- each.
Bright ...	1/2	1/3	1/6	1/9	2/-	2/9 „

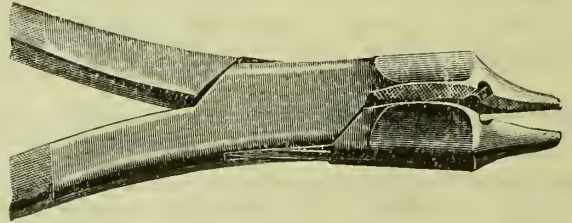
SPRING PLIERS ... 2/6.



No. 994. BEST FLAT PLIERS.

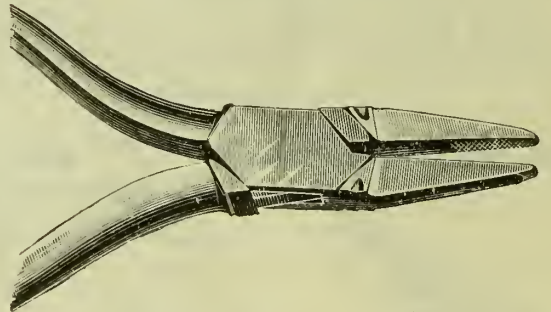
Brass Lined Jaws. 4 $\frac{1}{2}$ in. 1/3; 5 in. 1/6 each.

PIN ROUGHING AND BENDING PLIERS.

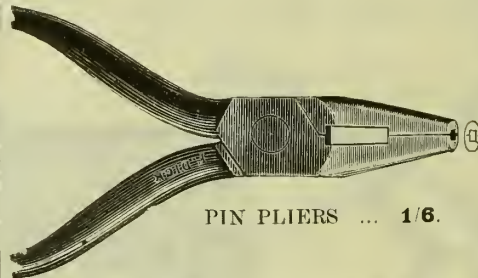


Nickel Plated ... 4/-.

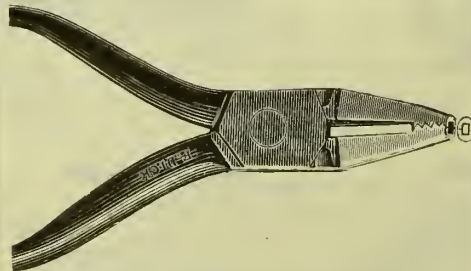
No. 995. BLACK PLIERS.

4, 4 $\frac{1}{2}$ and 5 inches ... 1/- each.

PIN PLIERS ... 1/6.

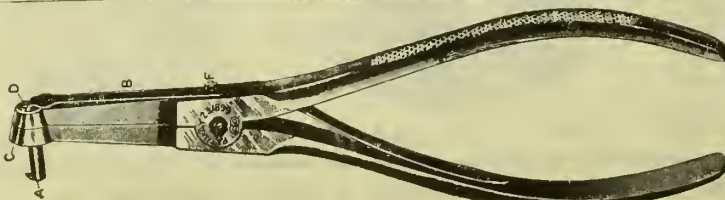


ROUGHING PLIERS ... 1/6.

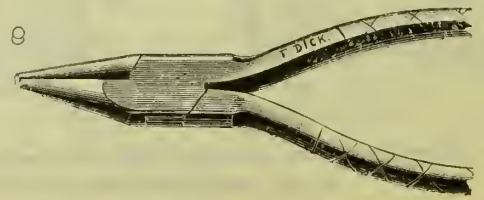
CONTOURING
PLIERS.

3/6.

CROWN SLITTING PLIERS. 14/6 each.



HOLLOW AND HALF ROUND ... 2/6.



PLIERS AND NIPPERS.
CONTOURING PLIERS.



No. 2, 5/-

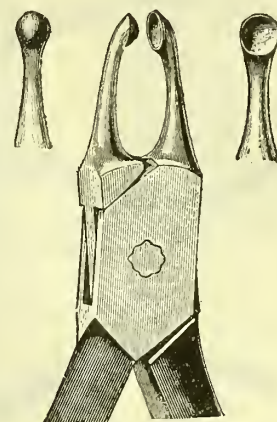
**Dr. Reynold's
CONTOUR PLIERS.**
3/6

**Dr. Peeso's
COLLAR PLIERS.**
3/6

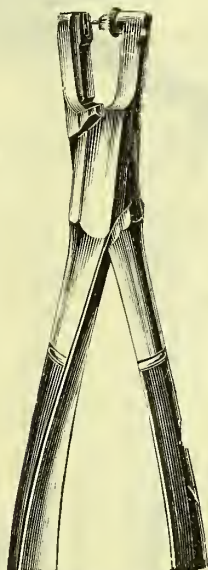
**Dr. Robinson's
COLLAR PLIERS.**
3/6



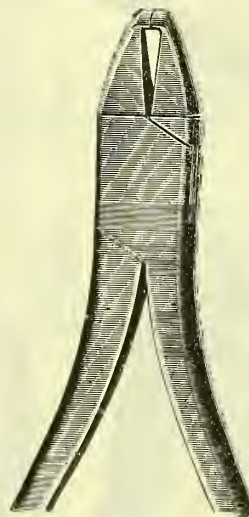
No. 4, 5/-



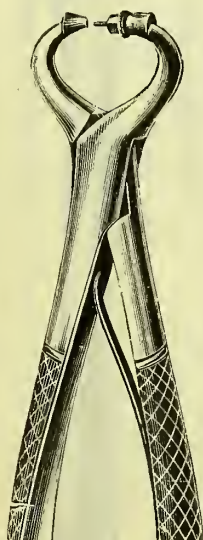
No. 5, 5/-



Best Make, 4/-



PIN NIPPERS.
3/6



PIERCING PLIERS, 4/6
Best Quality, 5/-

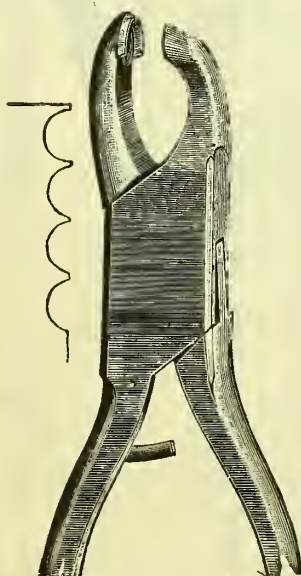
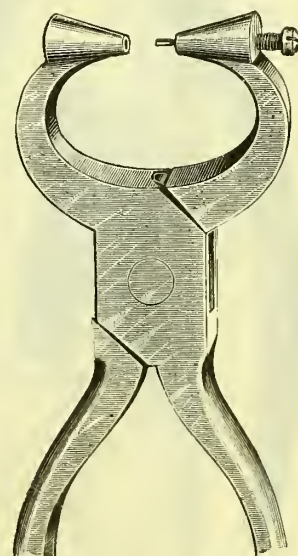


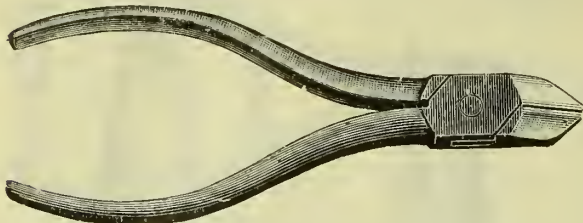
PLATE CUTTERS, 3/6



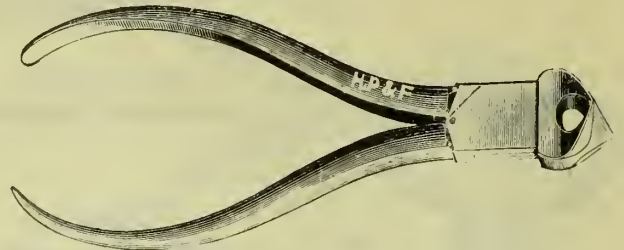
PIERCING PLIERS, 3/6

PLIERS, NIPPERS—Continued.

No. 1009. BEVELLED SIDE NIPPERS.

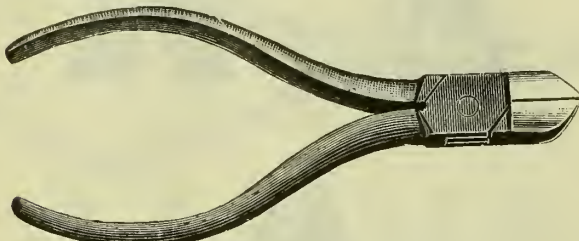


Black. $4\frac{1}{2}$ in. and 5 in., **1/9**; $5\frac{1}{2}$ in. **2/-** each.
 Bright. $4\frac{1}{2}$ in., **2/2**; 5 in., **2/2**; $5\frac{1}{2}$ in., **2 4** each



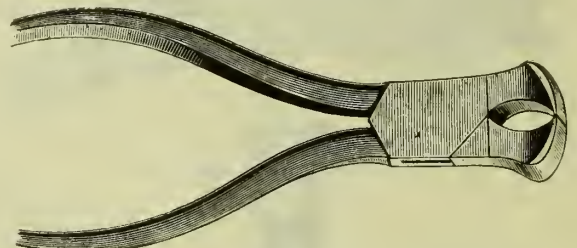
No. 1006 Best Quality English Black.
 4 in., $4\frac{1}{2}$ in. and 5 in., **1/9**; $5\frac{1}{2}$ in., **2/6**; 6 in., **3/-**.
 Best Quality English Bright.
 3 in. and $3\frac{1}{2}$ in., **2 3**; 4 in., $4\frac{1}{2}$ in. and 5 in., **2/6**

No. 1010. STRAIGHT CUTTERS.



Black. 5 in. and $5\frac{1}{2}$ in., **2/-** each.
 Bright. 5 in., **2/2**; $5\frac{1}{2}$ in., **2 4** each

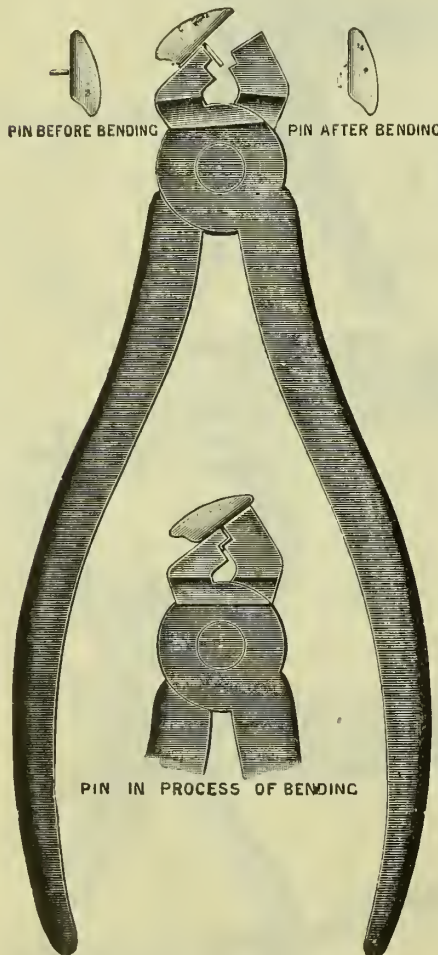
No. 1008. NIPPERS.



Special cheap line, $4\frac{1}{2}$ and 5 in., **1/-** per pair.

THE "PERFECT" PIN BENDER.

Patented in the United Kingdom and Abroad.



This plier requires no special description. A glance at the illustration is sufficient to show you at once the enormous advantage this unique invention offers. Price **4/-** each

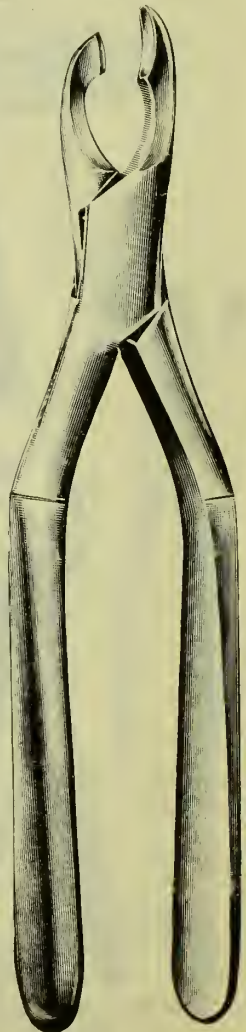
NEW PERFORATING OR PIERCING PLIERS FOR METAL WORKERS, ETC.

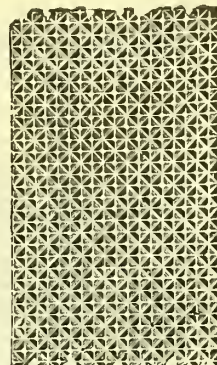
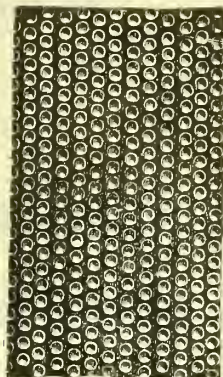
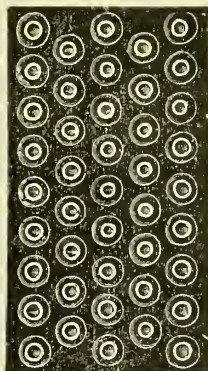
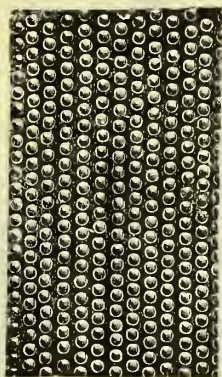
EXCELLENTLY SUITABLE FOR PERFORATING METAL PLATES.

No. 987.



On pressing the handles the point connected with the lever moves downwards, perforates on slight pressure the metal plate and moves back automatically in its original position. The point, therefore, does not stick in the plate, which often happens with other pliers, and much quicker work is ensured. Price, **5/-**.

NEW CROWN SLITTER. **7/6** each.

PLATES (Chamber).

- 1, 2, 3. Pearl Suction Plates of Tin, 1/- per pkt.
Do. Aluminium, 1/3 pkt.
5. Pearl Suction Plate of Tin, 1/- per pkt.
Do. Aluminium, 1 3.

7. Cup Suction Plates of Tin, 1/- per pkt.
Do. Aluminium, 1/3.

13. Solid Pearl Suction Plates of Tin which cannot be flattened under strong pressure, 2/- per pkt.
14. Pearl Suction Plates of 1 in. in larger sheets, about 2 by 3 in. 2/- per pkt.

15. Pearl Suction of Aluminium in sheets about 2 by 3 in., 2/6 per pkt.
16. Aluminium in lengths of 6 3/4 by 2 1/2 in., 6d. each.
17. Victoria Metal, 6 1/2 by 2 1/4 in., 6d. each.

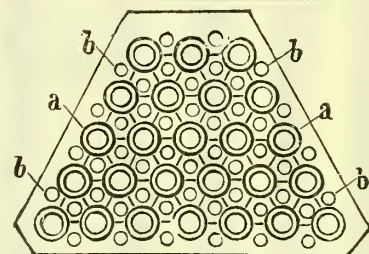
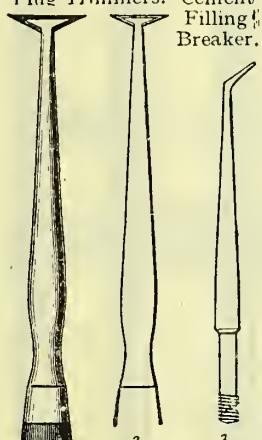
PLUG TRIMMERS.

MR. BALDWIN'S
Plug Trimmers. Cement
Filling &
Breaker.

S. S.W. Right and Left
Approximal Trimmers.

DR. RHEIN'S
Approximal Trimmers.

Hospital
Pattern.
Serrated
and Stoned.



9. Perforated Cup Suction Plate of Aluminium, 1/6 per pkt.
10. Do. Victoria Metal, 4/6 per pkt.

METAL CHAMBER PLATES.

For forming Air Chambers in Vulcanite Plate, assorted, 6d. doz., 5/- gross.

LORD'S IMPROVED AIR CHAMBER.

Simple. Cheap. Effective.
Easy to use.

Can be used with or without Suction Discs.

MADE FROM FINE GRAIN TIN.

Price: 1/- per Box of One Gross.

Lord's Fine Grain Chamber Patterns, 1/- doz.

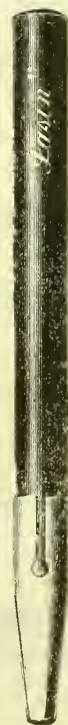
DR. REDMAN'S.

MR. ROGERS'

Square Edge.



- | | | |
|-------------------------------------|-----|-----------|
| Nos. 1 and 2, Ebony Handles | ... | 2/- each. |
| " 3, for Cone Socket | ... | 9d. " |
| " 4 and 5, Octagon Steel Handles | ... | 1/3 " |
| " 6, 7, 8, 6, 10, 11, Steel Handles | ... | 1/3 " |
| " 12 and 13, Steel Handles | ... | 1/6 " |
| " 14, 15, 16 and 18, Steel Handles | ... | 1/3 " |
| " 17, Steel Handles | ... | 1/6 " |

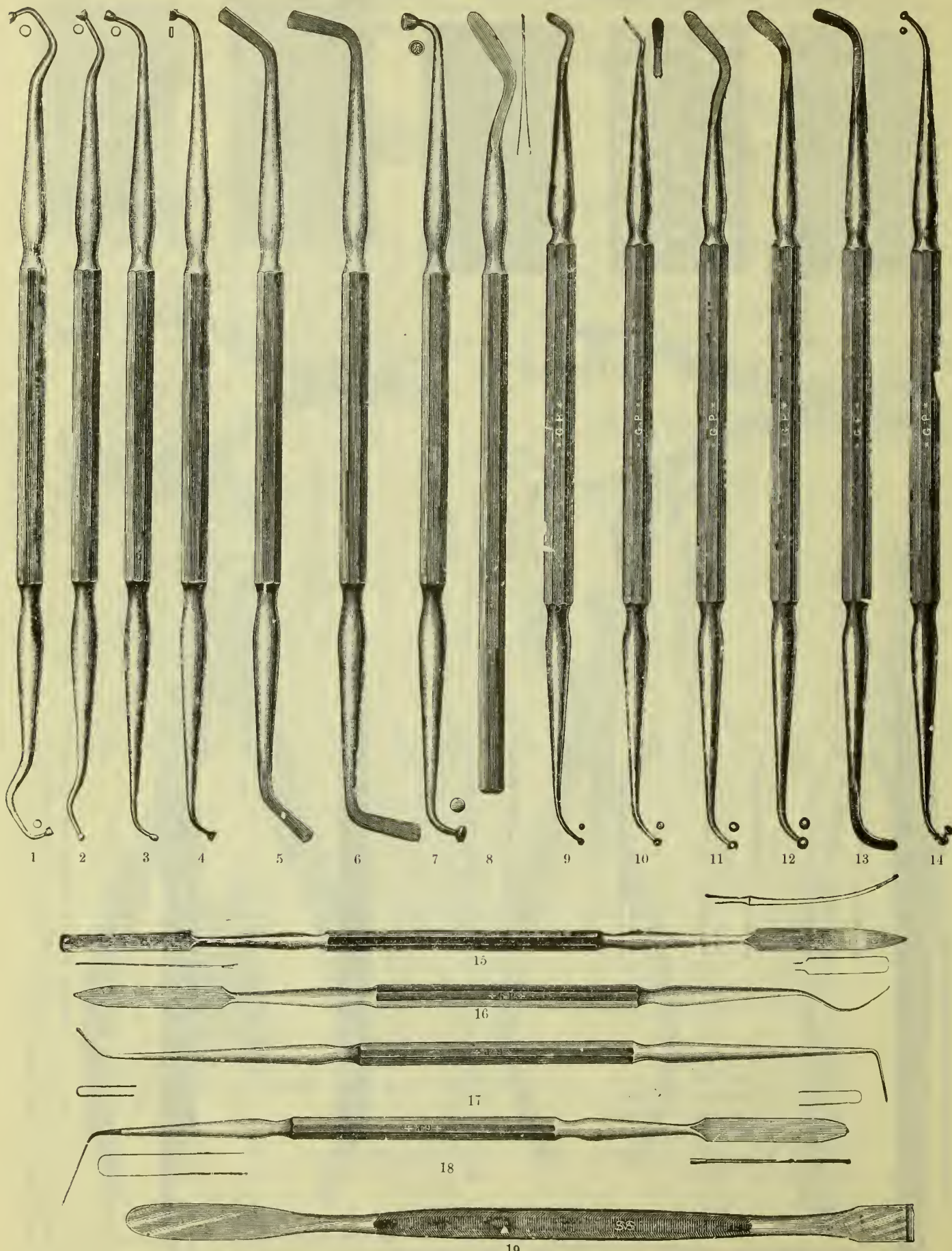
LASIN PENCILS.

REGISTERED. 1/- each.

To prevent moisture forming upon Dental Mirrors, a useful thing for every Dentist.

DIRECTIONS—Rub a little Lasin on the glass of Mirror, then wipe clean with rag or handkerchief. Does not interfere with the reflection. The above may also be used for Spectacle Lenses, Motor Goggles, etc.

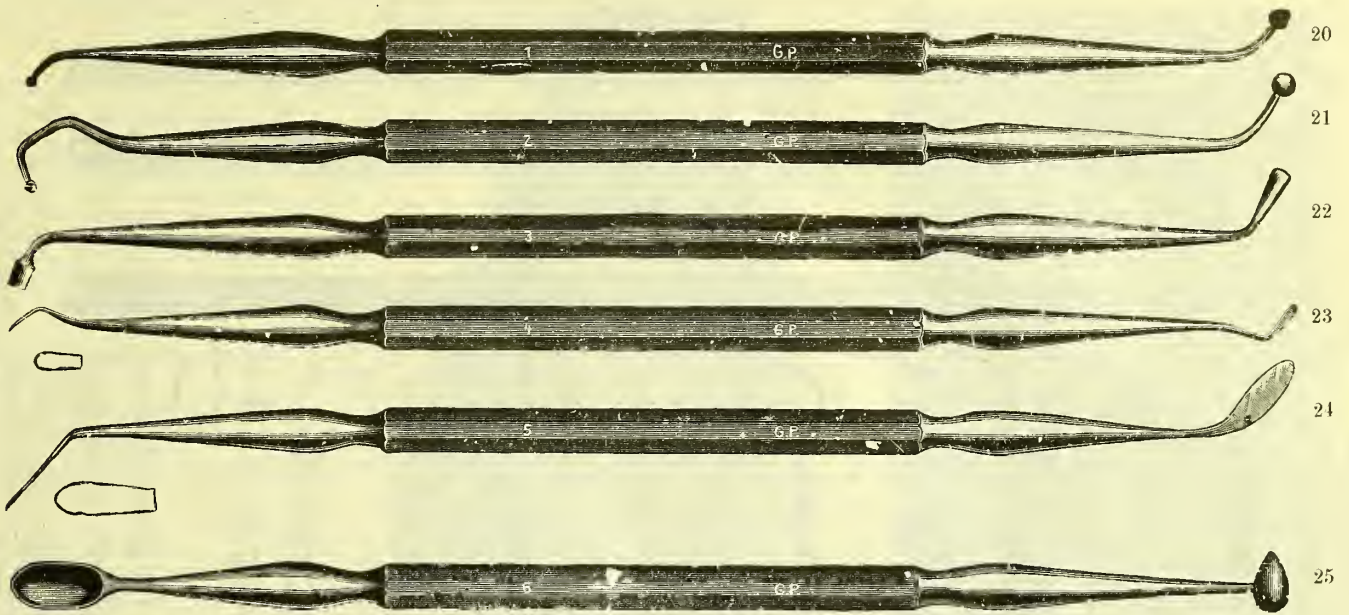
PLASTIC INSTRUMENTS.



Plastic Instruments, best quality, English Manufacture. All on this page, 1/4 each.

See also next page.

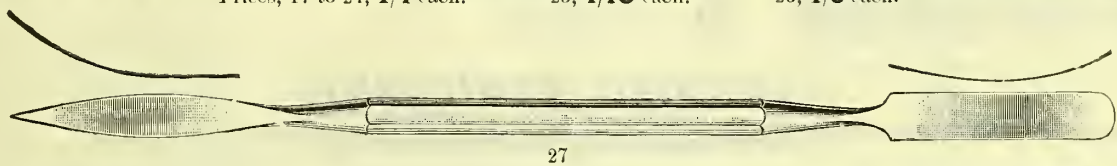
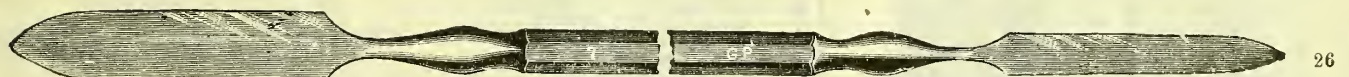
PLASTIC INSTRUMENTS.—Continued.



Prices, 17 to 24, 1/4 each.

25, 1/10 each.

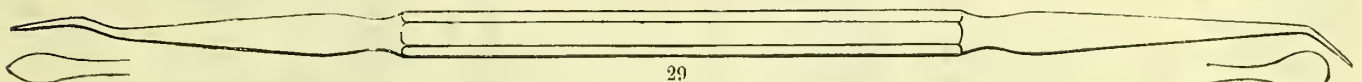
26, 1/6 each.



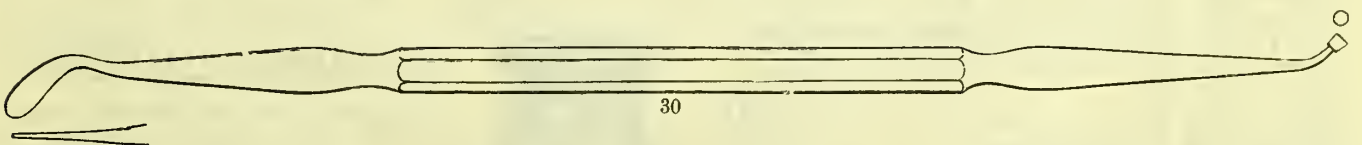
27



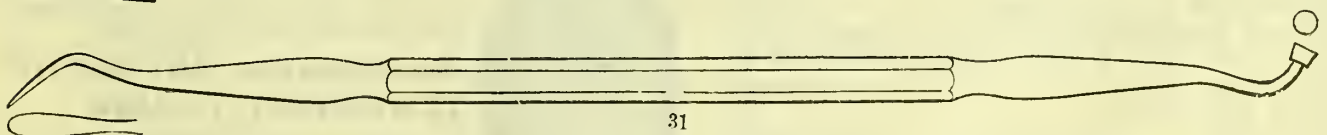
28



29



30



31

Nos. 29 to 31, 1/4 each.

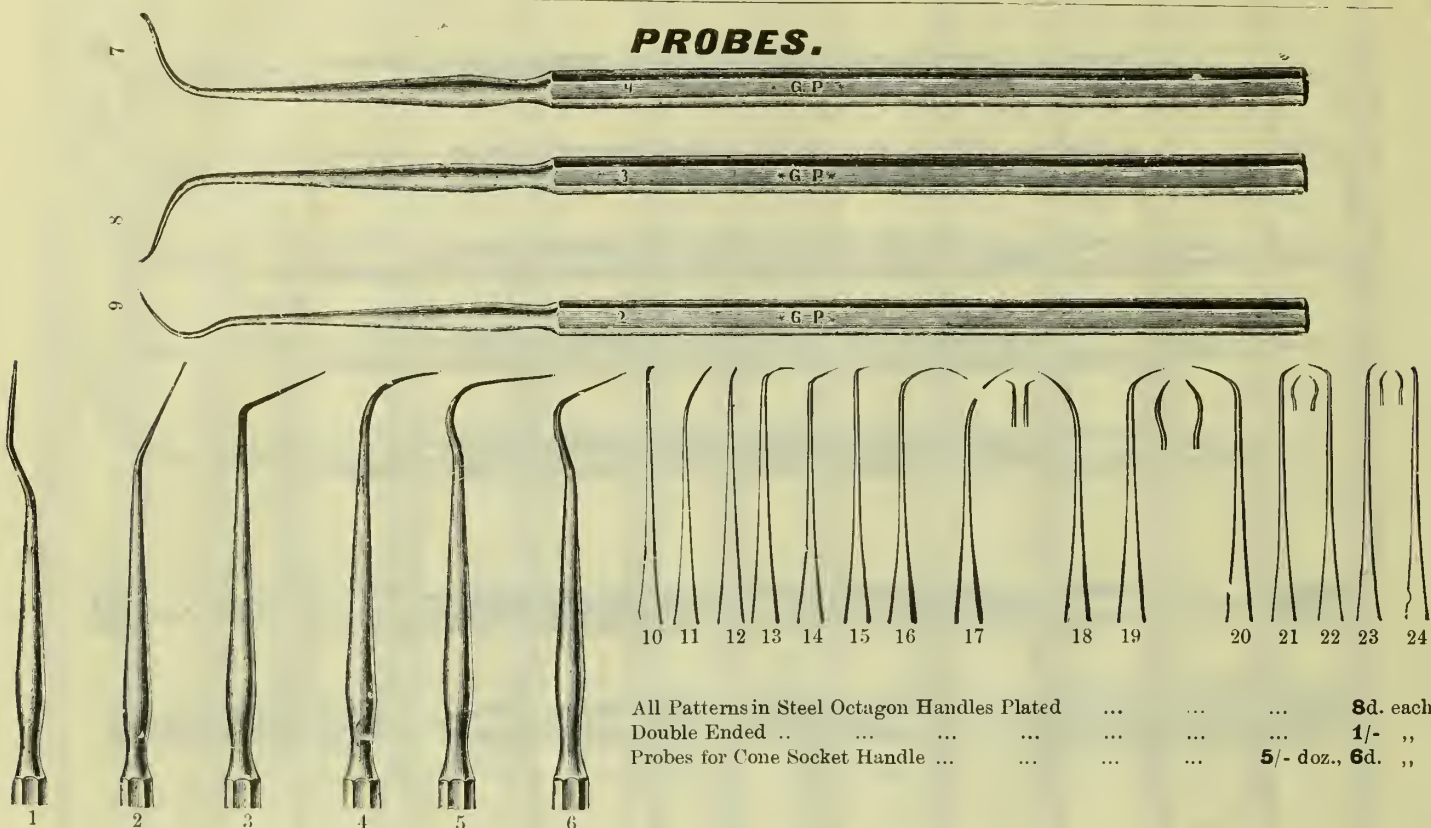
No. 32. Ebony Centre, Grooved Handle, 1/6.

No. 33. Vajna Plastic Instrument, 3/6.

GUTTA PERCHA MANIPULATOR.

No. 34. DR. MITCHELL'S Gutta Percha Manipulator

2/6 each

PROBES.

All Patterns in Steel Octagon Handles Plated 8d. each
 Double Ended 1/- "
 Probes for Cone Socket Handle 5/- doz., 6d. "

PLUGGING ASSISTANT.

No. 25. WESTON'S Plugging Assistant

1/- each

PREPARATIONS.

Aromatic Stimulant, per bottle ... 1/-
 Creosantes 1/6, 2/-
 Calxine 5/-
 Copal Varnish 1/-
 Cardiacs 2 ozs. 1/6
 Kolynos 1/1½
 Lysol per bottle 3/-
 Forma Percha, root filling 4/-

Separlac 1/-
 Castgloss 1/-
 Shellac 1/-
 Sandarac 1/-
 Sicaform 4/6
 Oxpara 6/3
 Neuroform 4/6

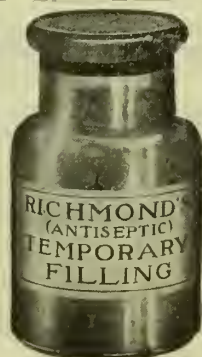
Nitrate Amyl per doz. 2/6
 Caulk's Nerve Capper 6/6
 Mumaloid 6/3
 Camphenol 5d., 2/-
 Listerine 3/-
 Oil of Cloves 1/-
 Euthymol Tooth Paste

Alboform (Barritt's) cures chronic abscesses, infected pulps, septic roots; used for permanent filling of septic roots before crowning and the mummification of Pulp Tissue. Price including Bone Spatula per packet 5/-

Arnoda (Pulp Saver) 6/3
 Arsenious Paste per bottle 2/-
 Baldock's Nerve Destroying Paste 5/-
 Cobalt and Cocaine Mixture per packet 3/-
 Fletcher's Carbolized Resin per bottle 1/-; per ½ pint 6/-
 P.C.L. 1/-
 Formaldehyde Paste per tube 5/-
 Iodoform Root Filling 5/-
 Mastie Cement per bottle 6d.
 Mummifying Paste (Barritt's) 3/6
 Dr. Scheuer's Devitalising Paste per tube 3/-
 Sicaform, Ideal Root Canal Dressing. The only certain agent for mummifying the dead pulp. 4/6

Tanofen, a medicated and anti-septic Cement for hardening Decalcified Dentine, lining sensitive cavities, capping traumatic exposures of the pulp and filling root canals. Price per pkt. 2/6

S. S. White's Oreosote and Arsenic per bottle 2/-
 S. S. Whites' Nerve Devitalising Fibre per packet 2/-
 S. S. White's Nerve Devitalising Paste 2/-

**STOPS THE ACHE AND FILLS THE TOOTH !**

THERE is nothing like it for treatment of children's first teeth or cavities demanding immediate attention. After cavity has been thoroughly syringed out with warm water, insert.

RICHMOND'S ANTISEPTIC TEMPORARY FILLING

The saturated cotton pellet will at once stop the ache and harden and bear the force of mastication for several weeks, if necessary. It contains no Acids, Cocaine, or anything of an injurious character and is pleasant to the taste.

ANTISEPTIC MOUTH WASH TABLETS.

As used by Mr. Bowen.

Per lb. tin 4/4, Post Paid

**PLASTIC MATERIALS
FOR FILLING TEETH**

As Prepared by the late
THOS. FLETCHER, F.C.S., Warrington.

Perfected Standard Amalgam, the best for all purposes, in Envelopes	per ½ oz.	10s.
Platinum and Gold Alloy...	Per oz.	20s.
Glass Pestles and Mortars, ground inside		1s. 6d.
Porcelain Pestles and Mortars ...	...	9d.
Mercury Bottle, containing sufficient pure Mercury for 3 ozs. to 4 ozs. of fillings, 1/-; or with Johnson, Matthey & Co's Electrically Purified Mercury, 2/-	Per Pkt.	6s.
White Enamel, Oxysulphate of Zinc	...	4s.
Artificial Dentine, Oxysulphate of Zinc	...	6s.
Patent Porcelain, Double Phosphate of Alumina and Zinc ...	...	6s.
Colour for White Fillings—Pink, Brown or Blue	Per btl.	6d.
Copal Ether Varnish	Per btl. ½ pt.	6s.
Carbolised Resin for Nerve Treatment	1s.	6s.
Mixing Tube for Amalgam	Each	6d.
Cylinder Mould for Amalgam ...	...	9d.
Differential Balance for Amalgams	2s.	6d.

FLETCHER'S STYPTIC.

Besides its other valuable properties, Fletcher's Carbolised Resin will be found the most reliable Styptic in obstinate cases of bleeding.

Instructions for use as a Styptic.—Moisten a plug of cotton with the Carbolised Resin, dip one face of this in powdered alum, and pack firmly with alum against the bleeding surface. No further attention or treatment has been found necessary in the most obstinate cases in which all other treatment fails.

Other Properties.—It will obtund and harden sensitive and soft Dentine.

In addition, it is a Certain and Permanent Remedy for Pain caused by exposed Nerves.

If it becomes crystallised or too thick for use, add a few drops of chloroform, or warm slightly.

Price 1/- per Bottle.

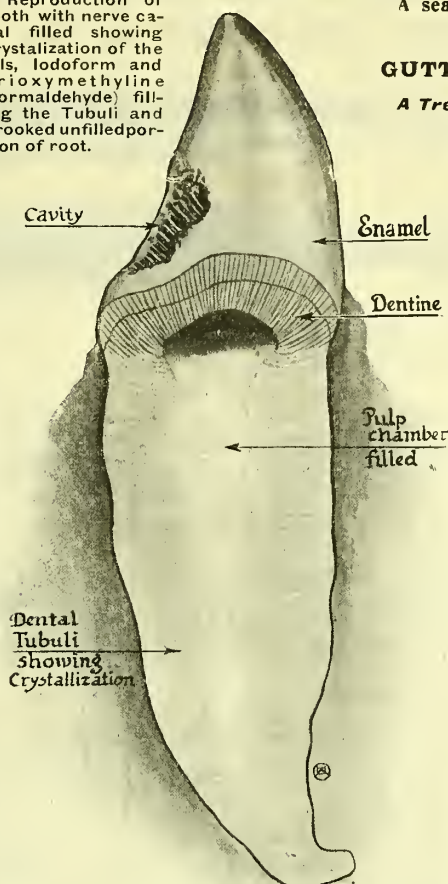
**PARKE DAVIS SPECIALITIES
To Order.**

Also see Page 7.

POINTS.

Arkansas Stones	each	1/3
Carborundum	...	-7½
Rubber	...	-7/3
Wood Polishing, SSW	100	2/6
Agate	each	1/6

Reproduction of tooth with nerve canal filled showing crystallization of the oils, Iodoform and Trioxymethylene (formaldehyde) filling the Tubuli and crooked unfilled portion of root.

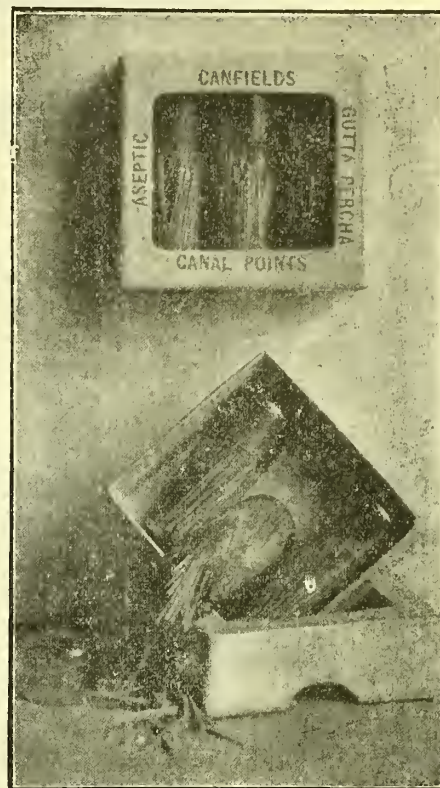


A sealed visible contents sterile package, containing

"ASEPTIC"

GUTTA-PERCHA ROOT CANAL POINTS.

A Treatment! A Cure! A Permanent Filling!



The treatment and filling of root canals
IS SURGERY.

Non-Infectious. Non-Irritant. Antiseptic.

Insoluble. Scientific. Non-Secret. Adhesive.

Non-Shrinkable. Germicidal. Practical.

Are you doing this work surgically?

Shall the Dentist trust to chance, or fight disease with "Aseptic" preparations.

Does the surgeon of to-day open into a cavity, use sterile instruments and every precaution, then close the cavity with any old thing which may be un-sterile and infectious? Or does he use sterile ligatures, bandages, and everything "Aseptic" pertaining to the operation.

A leading surgeon of one of the largest hospitals in the state, having occasion to go through our laboratory observed our formula and method, said: "I do not believe the average dentist realizes the necessity of aseptic dental surgery, and this is an ideal and scientific step forward of aseptic surgery in the treatment of the dental nerve, and should be used by every man who does this operation, and expects good results."

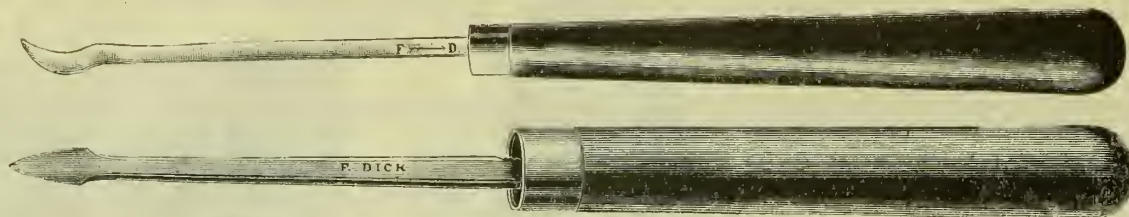
THE MANUFACTURE.

Under powerful heat and pressure the gutta-percha is not only re-refined and made sterile, but the drugs are thoroughly mixed with every molecule, even the most volatile ingredients are so well held together through the process, that the preparation retains its efficiency, and remains sterile and active. The following formula was adopted by Dr. Canfield after years of experimenting and research work, who has personal supervision over the laboratory.

Large, Medium, Small, Fine, Long-Fine and Assorted.

ASK FOR CANFIELD'S "ASEPTIC" GUTTA-PERCHA POINTS.

Per box **2 -** of 150.

VULCANITE PACKERS, 9d. each.**PLUGGERS.**

Hand Pluggers all shapes, 2/6 each.
Taper Ebony Handle.

			HOSPITAL SET.			
Price	...	...	...	...	...	2/6 each.

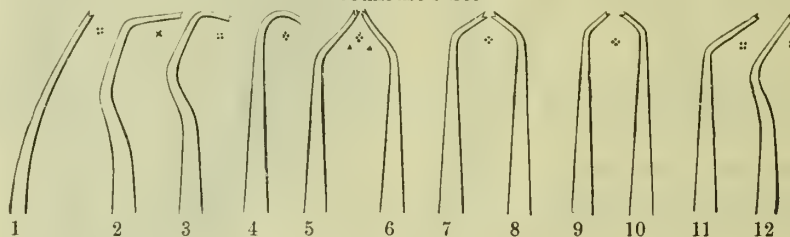
			J. E. HUSBAND'S SET.			
Price	...	...	...	...	...	3/- each.

MATHESON AND ROGERS PLUGGERS.

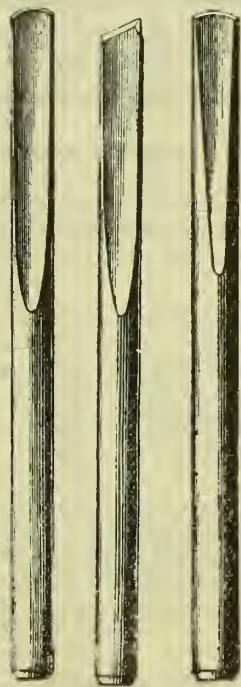
Price	...	...	...	2/6 each.
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POWDERS ANTISEPTIC.

Price	...	..	...	1/- per Doz.
-------	-----	----	-----	--------------

Woodhouse's Set

2/6 each.

**PLATE PUNCHES.**

Price	...	...	...	6d. each.
GARTRELL'S BARB ...				9d. each.

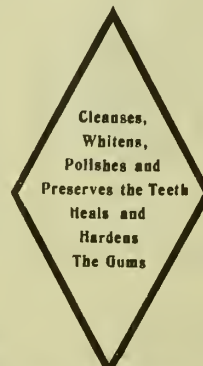
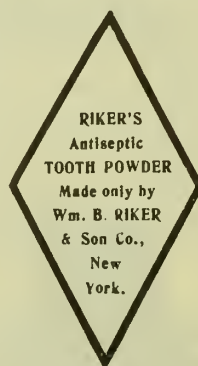
We hold Sole Agency for the Dental Trade of the
World Famous **TOOTH POWDER**

"RIKERS."

RIKER'S
Antiseptic
TOOTH POWDER

It will be asked
for by your
Patents.

We will print
your Name
on Gross Lots.



In a neat
Metal Canister
with Slot,
enabling user to
seal the can
Instantly
and so keep
the Powder
always
fresh.

Only One Price, 1/- Per Canister.

Manufactured by
RIKER & SON CO.,
New York.

Guaranteed under the
American Food and
Drug Act.

Sample 1 doz., Carriage Free, 6/6.

Recommend this to your patients. It is good.

APPOINTMENT CARDS.

Appointment Cards, 2/3 per 100; 500 for 10/-



Name		Address									
Date	N ^o	Case		Time	Fee		Cash		Date Received.		

RUBBERS.

Present List is subject to change without notice.

P.C.L. RUBBERS.

P.C.L.	No. 2 Pink Rubber	...	...	...	14/- per lb.
"	No. 1B " Deep Shade	...	...	...	15/- "
"	No. 1A " Light or Medium	...	...	...	15/- "
"	Light Orange Rubber	...	...	...	10/- "
"	Best Base	...	...	...	12/- "
"	Brown Rubber	...	...	...	10/- "
"	White "	...	...	...	12/- "
"	Black "	...	...	...	12/- "
"	Maroon "	...	...	...	10/- "
"	Whalebone Rubber	...	...	...	10/- "
"	Red "	...	...	...	10/- "

P.C.L. Strong Base, 12/- per lb.

(Specially Recommended).

Quantity rate off all P.C.L. Rubbers, 5 lb. lots 10 per cent.,
10 lb. lots 15 per cent.

D. M. CO.'S RUBBERS.

(ALSTON BRAND).

	per lb.		per lb.
Pink A, Light Shade	18/-	Extra Dense or Solid	14/-
" B, Dark	21/-	Maroon	12/-
" C, Blue	21/-	Brown	10/-
" D, Very Light Shade	21/-	Orange	10/-
" Extra Strong, Base	16/-	" Light	10/-
Hercules, Light	14/-	Red	10/-
" Dark	14/-	Black (Horn Colour)	14/-
White	16/-	" Jet	14/-

D. M. Co.'s Rubbers—10 % discount off lots of 5 lbs. 15 % discount off lots of 10 lbs.

POULSON'S RUBBER DAM.

Thin ... 9/- per tin Medium ... 11/6 per tin. Thick ... 14/- per tin.

S. S. WHITE'S RUBBERS.

S. S. WHITE'S Bowspring 13/6 per lb. ... in 5 lb. lots 12/11 ... 10 lbs. 12/3
" Pink 18/9 per lb. ... in 5 lb. lots 17/8 ... 10 lbs. 16/8

POULSON'S RUBBERS.

No. 1 Pink ... 21/- per lb.
No. 2 ... 21/- per lb.
No. 3 ... 16/- per lb.
5 lb. lots, 10 per cent. discount. 10 lb. lots, 15 per cent. discount.

SAMSON RUBBER.

12/- lb., 5 lb. lots at 11/6 lb, 10 lb. lots at 11/- lb.

DOHERTY'S RUBBERS.

Pink Rubber, Light Shade	...	per lb.
" " Medium Light Shade	...	16/-
" " Deep Shade	...	16/-
Maroon Rubber	...	14/-
No. 1 Rubber	...	11/10
No. 2 Rubber	...	11/10
Mottled Rubber	...	13/-
Pure Black Rubber	...	14/-
Para Black Rubber	...	13/-
Jet Black Rubber	...	14/-
Gutta Percha, Base Plate	...	14/-
No. 1 Weighted Rubber	...	16/-
No. 2 Weighted Rubber	...	16/-
Black Weighted Rubber	...	16/-
Flexible or Palate Rubber	...	14/-

Quantity rates 10 per cent. off lots of 5 lbs.,
15 per cent. off lots of 10 lbs.

P.C.L. RUBBER DAM.

Guaranteed.

Thin, per box, 4/6. Medium, per box, 4/6.
Thick, per box, 5/6.

P.C.L. Rubber Dam is sold in bulk, 12/- per lb.

Traun's Gold Dust Rubber ... 18/- per lb.
Herakle's ... 18/-
Usual Quantity Rates apply to all Rubbers not
otherwise quoted.

Rubbers are not guaranteed to contain the weight
as specified on wrapper.

ASH'S DENTAL RUBBERS.

Gum Pink, Light	...	
" " Medium	...	21/- per lb.
No. 1 X	...	
A. E. Elastic	...	
Whalebone, No. 1	...	16/- per lb.
Child's G	...	
Black	...	
Orange	...	
Red	...	10/- per lb.
Brown	...	

Soft Pink for Tender Gums,
Pink and Brown Repairing,
Pink and Brown Weighted,
White,

Combination Whalebone 1 and Black.

A discount of 10 per cent. is allowed when 5 lbs.
of our Rubbers are purchased at one time This
quantity may consist of several kinds.

Dr. CASE'S CLEAVERS IN EBONY HANDLES

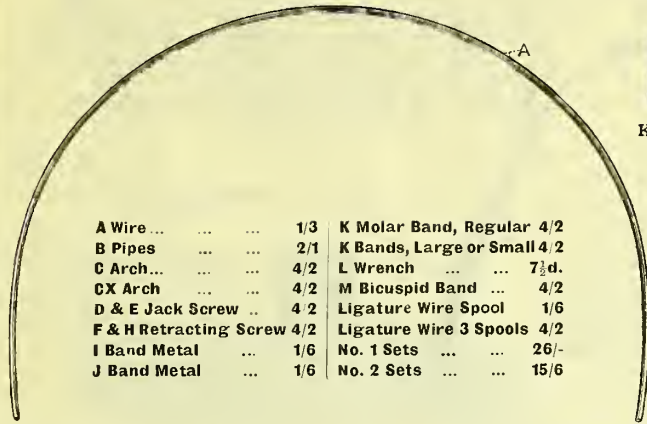
Price ... 2/- each.



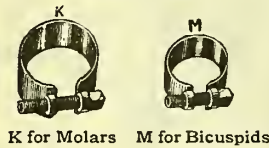
The Lukens System of Orthodontia Appliances

Pat. Oct. 23, 1900

Spu Wire A.



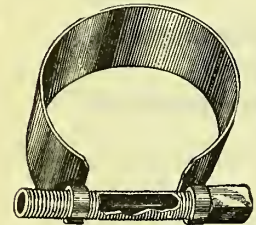
Anchor Bands



Coils of Band Material



Enlarged View of Anchor Band, showing hollow clamping bolt



Improved Jack Screw D



Extension Sleeve E

Retracting Screw F and Spur Wire H



Wrench



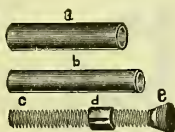
Retaining Pipes B



NEW PROTECTED BIBER EXPANSION SCREW.

The Screw top e and the Tube b are soldered on to the caps. The Nut d, when screwed on, presses towards c. Over it is passed the tube (made of gilded steel) which presses the latter on to the conically shaped top e. Thus the threads of the Screw are fully protected and cannot be loosened by the tongue. Price 2/6 each.

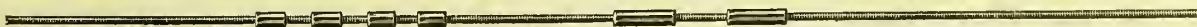
No. 4e



No. 5



No. 6



Screw Wire with Nuts. No. 5 and No. 6.

For preparation of Expansion and Contraction Arches, Contraction Screws, etc. (to be cut to any required length) ... each 1/6

REGULATING APPLIANCES.

S.S.W. Dr. Angle's Set No. 1 ... 20/-
 " " " 2 ... 26/-

REGULATING SPRINGS.

Seigfried's ... 1/6 set.

RETAINERS, MATRIX.

Ivory's pattern ... 5/6

BIBER'S ORTHODONTIA APPLIANCES.

(Registered D.R.G.M.)

THICKLY GILDED.

No 1

No. 1a

No. 2

No. 2a

Nos. 1, 1a, 2, 2a, Traction Screw, to contract two or more teeth. The Screw nuts soldered on to the caps.

Nos. 1, 1a and 2 will fit tube for No. 5. The tube for No. 6 will fit No. 2a.

Price 1/- each.



No.

Extension Screw and Sleeve ... 1/-

FOR JAW EXPANSIONS.

No. 4

No. 4a

No. 4b

No. 4c

No. 4. — Short Expansion Screw with right and left Turns ... each 1/8

No. 4a. — Improved with fixing Screw ... each 2/5

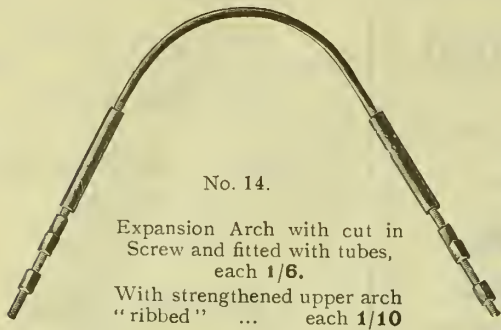
No. 4b. — Long Expansion Screw with right and left Turns ... each 1/8

No. 4c. — Improved Expansion Screw with fixing Screw ... each 2/5

Improved with fixing Screw and Interchangeable ... each 3/6

The Square Screw on either side can be loosened.

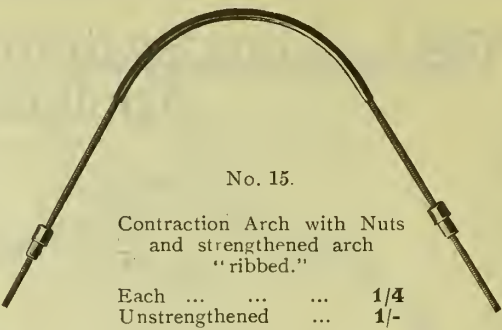
BIBER'S ORTHODONTIA APPARATUS



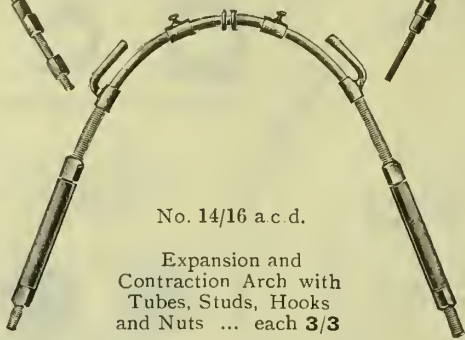
No. 14.



No. 13.



No. 15.



No. 14/16 a c d.



No. 17.

No. 16. Pieces applicable to Arch No. 14.

			
a	b	c	d
Per pair 10d.	Per pair 10d.	Per pair 8d.	Per doz. 3d.

No. 18. Fine Silver Wire for Ligatures
2 Rolls, assorted, 1/6.

No. 19 (a) 1 Dozen Elastics in various sizes ... each 3d.
(b) One Metre India Rubber Tube as Lip Protector for Metal Arches each 10d.

No. 20. 2 Metres Silk ... 3d.

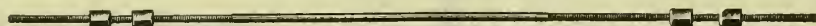
No. 5. 

No. 6. 

Seamless Tubes for Preparation of Sleeves for Contraction Arches, Anchor Bands, Contraction Screws, etc.
(can be cut to any required length). 1/- each.

No. 7. Screw with Milled Nut and Coil for regulating single teeth, especially used in removable Bridges and Pivot Teeth. 1/- each.

No. 8.  Expansion Screw of 6 Parts with right hand Screw. 2/-

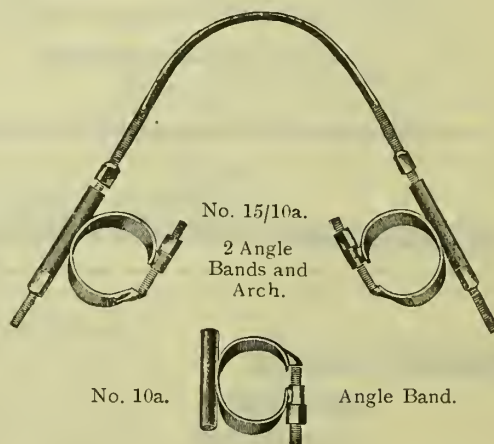


No. 9. Threaded Screw Wire with Nuts used for pressing the front teeth either backward or forward. 1/- each.

No. 9a. Heel Wire, gilt, 4 sizes together. 1/-



No. 15/10.
2 Biber Bands and Arch.



No. 15/10a.
2 Angle Bands and Arch.



No. 10. Biber Band.

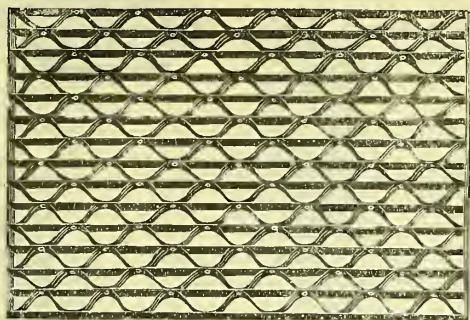


No. 10a. Angle Band.

No. 10. Biber's Molar and Bicuspid Bands. The Screw being hollow serves also as tube for Expansion Arch. Made in 4 sizes each 2/3
No. 10a. Angle Bands. Made in 4 sizes 2/9

No.	1	2	3	4	
Width of Band	22	26	30	34	millimetres.

Iron Floor Racks.

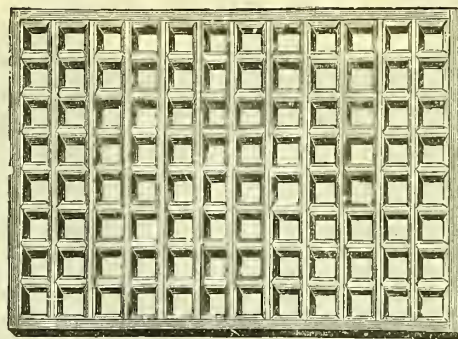


No. 253.

Price 11/- each.

Size 40 ins. by 25 ins.

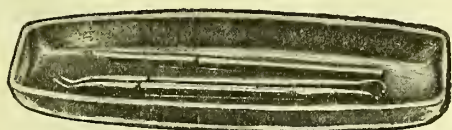
Hardwood Floor Racks.



No. 252.

(A) Square holes.		(B) Oblong holes.	
40 ins. by 25 ins.,	3/6 each.	40 ins., by 25 ins.	3/3 each.
40 ins. by 19 ins.,	2/6 "	40 ins. by 19 ins.,	2/3 "
40 ins. by 13½ ins.,	2/- "	40 ins. by 13½ ins.,	1/- "

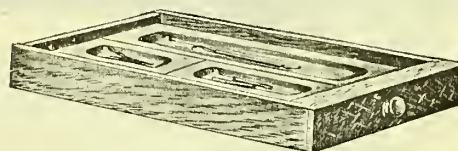
Sterilizing Dish, Glass.



1/9 each.

Size, 8½ ins. long by 3 ins. wide.

Glass Trays.



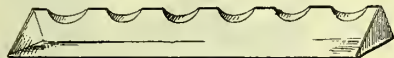
3 Glass Trays to fit Allen Table.

Small	...	9d. each.
Large	...	1/9 "

The Set, 3/3

Glass Rests.

For Plastic and other Instruments.

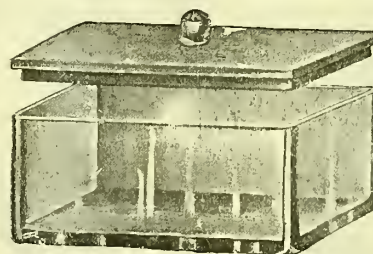


Price 9d. each.

Sterilizing Sundries.

CRYSTAL GLASS BOXES FOR HOLDING DENTAL COTTON ROLLS.

Special Reduced Price.



WITH GLASS LID WITH KNOB AS ILLUSTRATION.

	Length.	Width.	Depth.	
Size A.	3½ ins. by 3 ins.	by 2½ ins.	...	2/6 each.
" B	4½ ins. by 3 ins.	by 3 ins.	...	3/6 "
" C.	5½ ins. by 3 ins.	by 2 ins.	...	4/3 "

IF WITH FLAT GLASS LID WITHOUT KNOB.

Size D.	4 ins. by 2 ins.	by 2 ins.	...	3/- each.
" E.	5½ ins. by 2½ ins.	by 2½ ins.	...	4/- "

IF WITH NICKEL PLATED METAL LID.

Size F.	5 ins. by 4 ins.	by 2 ins.	...	4/- each.
" G.	8 ins. by 4 ins.	by 2 ins.	...	4/6 "

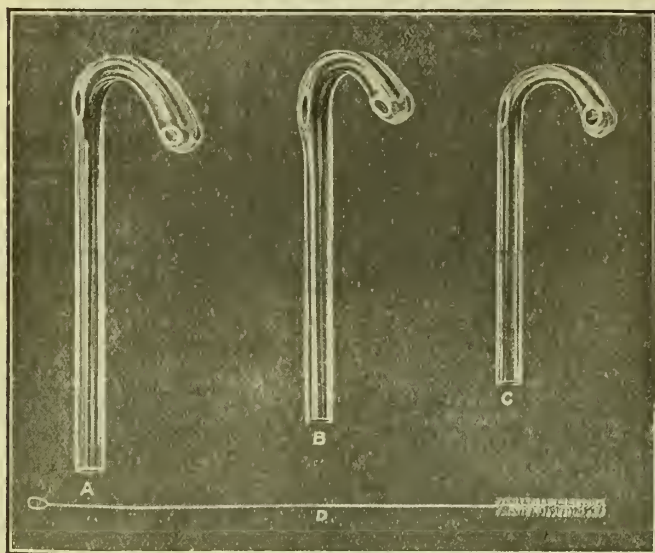


1/3 per box.

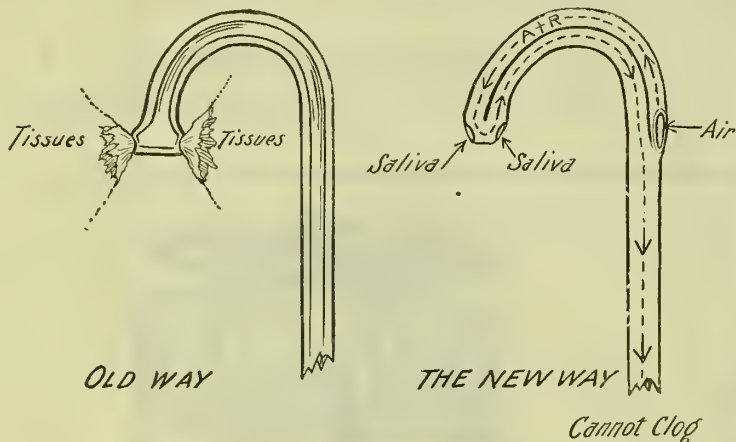
RUBBER STRIPS FOR SEPARATING.
S.S.W., 1/8 per box,

De Witt Saliva Ejector.

SIMPLE, EFFECTIVE AND STRONG.

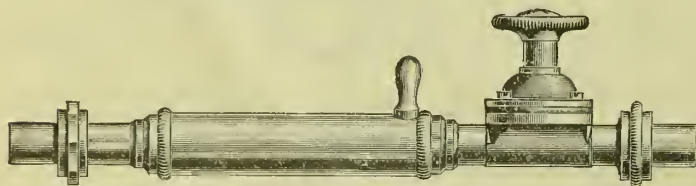


This Ejector overcomes the drawing-in of the soft tissues of the mouth, so disagreeable to the patient and annoying to the operator. It cannot become dammed, clogged, or air-bound. The large holes in the tip will carry off thick, heavy saliva, or the foam from the spray bottle, as easily as they eject water. There are three sizes, to conform to the varying depths of different mouths. By selecting the right size the weight is borne by the teeth preventing pressure on the soft tissues. It is the only Saliva Ejector that can be thoroughly cleansed. The large holes permit the use of the cleaning brush and the inside of the tube can be easily and thoroughly cleansed and made antiseptic.



PRICES :

Clear Glass Tubes—Any size, 1/- each; 5/- per half doz.; 10/- per doz.
 Metal Tubes „ 6/- each.
 Brush for Cleaning Tubes 7½d. each.

Wall Saliva Ejector, Improved.

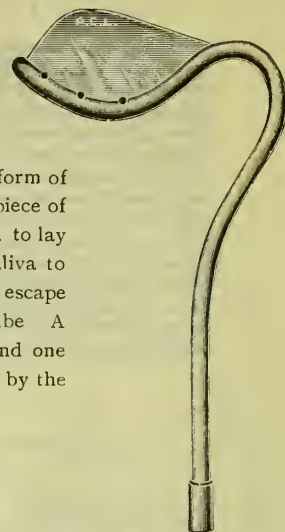
Made in Brass and Nickel Plated, 8 inches long, with adjustable unions for attaching to water pipe. There are no parts to get out of order, and it is simple and economical in working. It can be easily cleaned, and is always ready for use. The above should be fitted about two feet from the ground, the top end being connected to the water supply and the lower end to the waste pipe. Any water supply will work it.

Price, complete, 22/6.

Black Rubber Tubing for same, 6d. per yard.

“P.C.L.”**Saliva Tube**

No. 2.



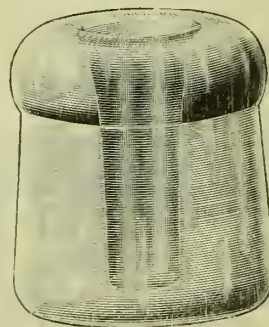
A new and improved form of Saliva Tube having a flat piece of metal as shewn in sketch to lay on tongue allowing the saliva to run into the channel and escape through holes into the tube. A very great improvement and one which will be appreciated by the profession.

Price 2/6 each.

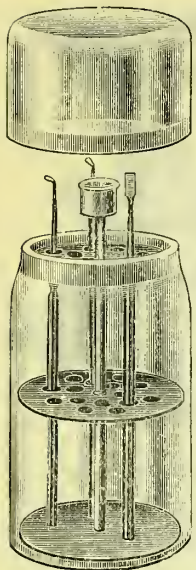
SIMPLE GLASS SALIVA TUBES, any Colour,
 6d. each, 5/- per doz.
 Ditto METAL, 2/- each.

Mouth Saliva Ejector.

The Simple 9/6
 Rubber Tube for ditto, 6d. per yard.

Heath's Sterilizing Well.

A Useful Adjunct for
 the Operating Table.
 1/- each.



Size:
6½ ins. by 3¼ ins.

Willmer's Dental Instrument Stand.

Improved Aseptic Pattern. Dust-proof and Air-tight.

Made of Crystal Glass with ground on overlapping Dust-proof Cover, fitted with highly polished N.P. Metal Rack with a capacity of 30 instruments, and with 3 spare Glass Fluid Containers for using any desired medicament.

The Glass Fluid Container is fitted in the metal holder which forms the handle for raising the rack, so that the points of instruments may be immersed in the disinfectant before use.

Price 6/6 each.

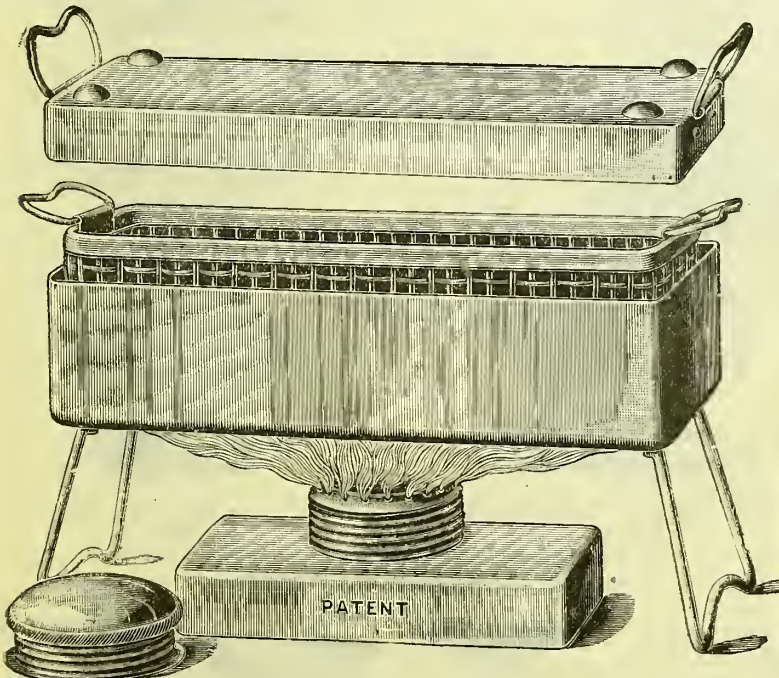
Tray Case Sterilizers,

With Folding Feet and Lift-off Lids and Handles, and with Patent Wickless Spirit Lamps.

German Silver, Nickel Plated. Stamped up in one piece without Seam. Feet Rivetted to body of Sterilizer.

These Sterilizers being made of German Silver throughout, preserve a good appearance and colour after long usage and are very superior to the many imitations made in Plated Brass, which have been put on the market since we first introduced this pattern.

Stamped out in one piece, there is absolutely no possibility of leakage with these Sterilizers; they are made in nine sizes, and supplied complete with Lamp.



"	1	3 by 13	...	1-Burner Lamp	...	Price	12/6
"	2	8 by 4 by 13	...	"	...	"	15/6
"	3	9 by 4½ by 13	...	2-Burner Lamp	...	"	18/-
"	4	10 by 5 by 2	...	"	...	"	21/-
"	5	12 by 5½ by 2½	...	"	...	"	28/6
"	6	14 by 6½ by 3	...	"	...	"	35/-

Sterilizers.



No. 1.
White, 1/-; Blue, 1/3;
Ruby, 1/9



No. 2.
Red only,
2/-



No. 3.
Gold Lined, Red,
2/3

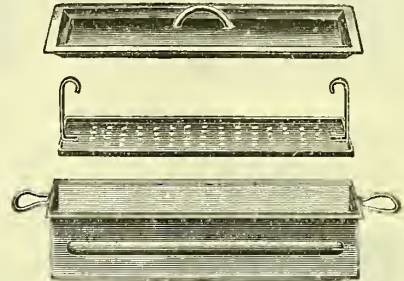


No. 4.
Blue, 1/3;
Red, 1/9



Cover as shewn
above, 1/- each.
Ruby glass.

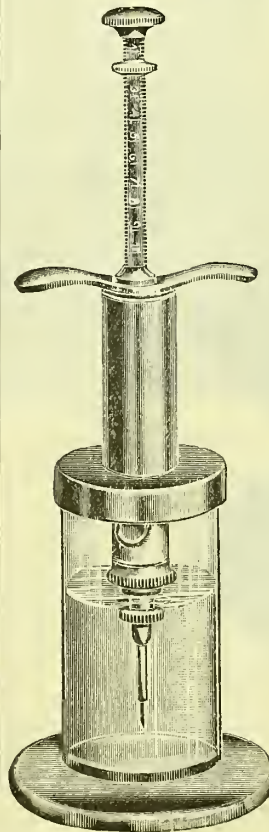
White Enamelled Iron Sterilizer.



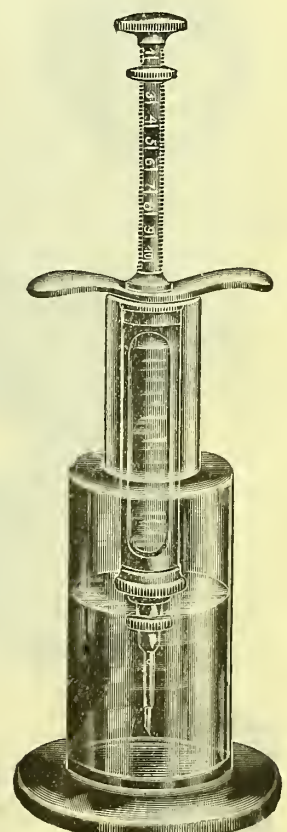
9¼ ins. by 4½ ins. by 3 ins., Inside Measurement. 7/6 each.

Ditto, Floral Decorations, Light Blue, Green, and Chocolate. 9/6 each.

Bardet's Sterilizers.



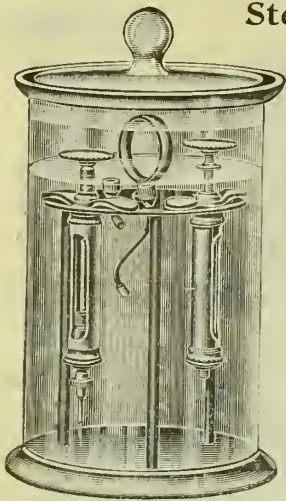
No. 1.
Metal Cover, 1/6.



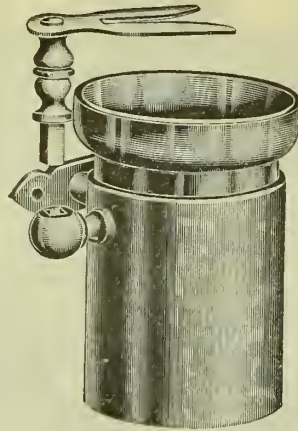
No. 2.—All Glass, White
or Brown, 9d. each.

See also Electrical List.

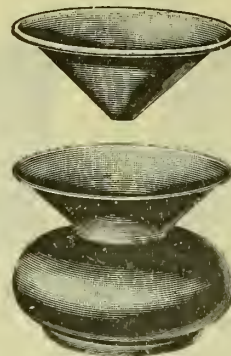
Sterilizers.



No. 273.—Sterilizer for Syringes,
Ground Glass Cover. 5/6 each



No. 229.—Aseptic Cup for Cotton
Waste, Red Glass. 7/6 each.

ENAMELLED IRON
SPITTOONS.

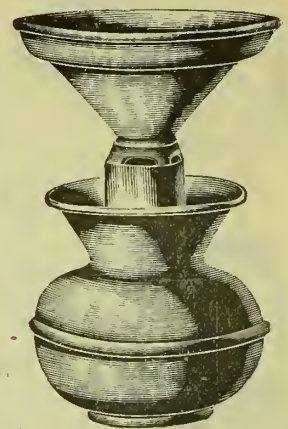
Colours : Dark Blue, Light
Blue, Mottled & Chocolate.

Price 2/6 each.

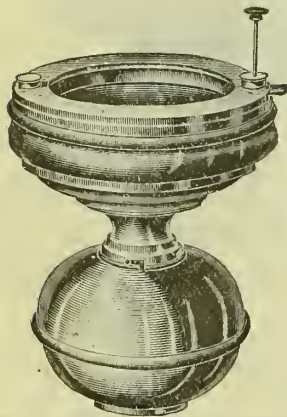
Funnel, 1/- extra.

With Floral Decoration,
4/6 each.

Ruby, Green or Pale Blue.

No. 22.
NICKEL PLATED
SPITTOON.

7½ ins. high. 8 ins. wide.
10/6 each.

Portable Fountain
Flushing Spittoon.

For attaching to Standard
Spittoon Bracket for Chair
Attachment.

Tank capacity ... 7 pints
Height ... 13 ins.
Diameter ... 10½ ins.

Easily Operated by Patient.
Entirely Nickel Plated and
fitted with Ruby Glass
Funnel.

Price £3 3s. 0d. each.

The "Everclean"

IMPROVED N.P. DENTAL
SPITTOON.

The "Everclean" Dental Spittoon is
made of spun brass, heavily nickel-plated,
with all seams soldered. The upper
part is hinged, and a glass bowl with
polished edges is fitted in the base to
receive all excretions.

The "Everclean" Spittoon can there-
fore be kept antiseptically clean and
sterilized, and free from odour.

PRICE:

With glass inner bowl and ruby
glass funnel... ..

8/6

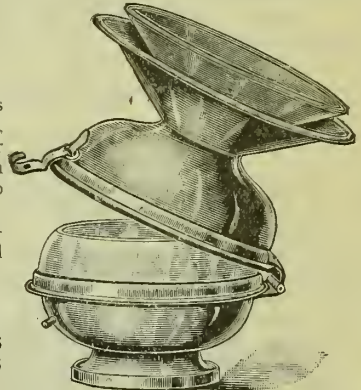
... .. blue

8/6

With "glass inner bowl only

7/-

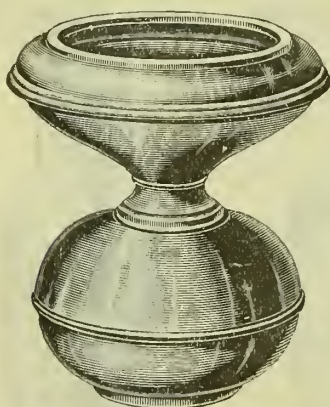
Total height, 6½ ins.



Diameter of Funnel, 7½ ins.

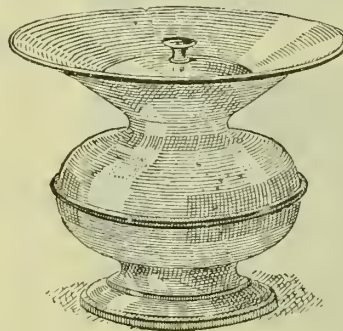
New Form Spittoon

With Screws, Cover, Gold Catcher, and Ruby
Funnel.

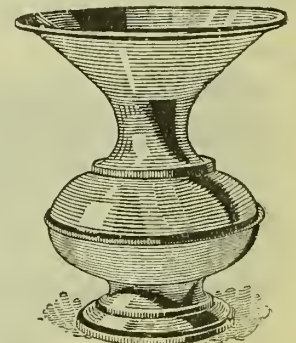


Two sizes: 13/6 and 18/6.

Nickel-Plated Spittoons.



No. 20. 6½ ins. high, 8 ins. diameter.
5/6 each.



No. 19. 9½ ins. high, 8 ins. diameter.
5/6 each.

Glass Funnels for Spittoons.



For No. 19.



For No. 20.

Blue	...	...	...	1/9
Ruby	...	...	...	2/6
Enamelled Iron	...	...	...	1/-
Lid, No. 24	...	...	...	1/-



No. 24.

Glasses for
Spittoons.

Ruby only 1/- each.



BLUE
EARTHENWARE
SPITTOONS,
Full size, 3/6 each.

MAJOLICA
SPITTOONS,
3/6 each.

THE SANITARY DENTAL SPITTOONS.

MORRISON'S PATENT No. 17295/10.

"THE OZONITA."

The "Ozonita" is an English Invention and make. It is entirely new, and mainly notable for its high sanitary value, simple construction and artistic finish.

Every Bowl is fitted with a self-cleansing clear-way trap, which prevents escape of dangerous odours.

None of the parts require removal for cleansing. The Bowl is self-cleansing. Aseptic Metallic-bronzed Tubing is used, which is more enduring than rubber, more cleanly, and cannot get frayed.

The water fittings are tested to 300 lbs.

Only one tap is needed instead of three, the switch instantly directing the water to flush the bowl, draw-off and saliva ejector.

The "Ozonita" Bowls are very strong, made of semi china, and decorated in a variety of patterns and colours, all of which are rich in appearance.

The safety fittings only permit the escape of water into the Bowl.

No. 653.—SPITTOON SUITE, comprises strong white ware semi-china bowl, cold water supply and waste fittings and Trap as shewn, Nickel-plated, and Bronzed Copper Flexible supply and waste Tubing, with floor box, shut-off tap with inlet and outlet connections. Cast-iron Stand with aluminium Bracket, hard japanned, and picked out in colours and gold, also Nickel-plated regulating Steel Bolt with Pinching Screws.

Price	£8 5s. 0d.
„ for Chair (no Stand) ...	£7 3s. 6d.



No. 653.—Suite complete.

No. 656.—Decoration on Bowl.

Decorated Bowls extra over White.

No. 656.—Blue printed and Gold as on No. 653	...	...	7/-
No. 657.—Gold Bands	...	...	8/6
No. 658.—Blue and Gold Bands	...	...	17/-
No. 659.—Blue in and out relieved with Gold Bands	...	...	19/-

No. 660.—Brass Stand and Bracket, Nickel-plated, Steel-bronzed, or Oxidized Copper, instead of Iron Stand. Price 43/6 extra.

No. 664.—If with Rubber Tubing, braided silk and worsted, 9/6 less.

No. 665.—If with Glass Saliva Ejector and 4 ft. braided Tubing, 3/9 extra.

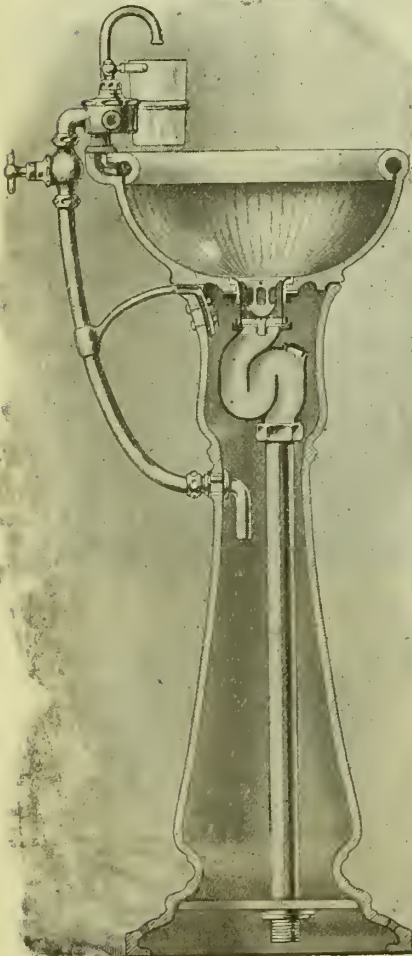
No. 666.—If with Glass Saliva Ejector, 4 ft. braided Tubing and Nickel-plated connection, 5/- extra.

THE SANITARY DENTAL SPITTOONS.

MORRISON'S PATENT No. 17295/10.

Pedestal "Ozonita" Spittoons
in Finest White Earthenware.

Plan of No. 632 Bowl with fittings.
Note swivel Glass Holder.



Sectional elevation of No. 632 Spittoon shewing
system of flushing Bowl with water supply and
Trapped waste arrangement.

Drawn about one-eighth full size.

These Spittoons are intended
for a fixed position connected to
water supply and waste.

They are suitable for Hospitals,
Schools, Works, Barracks, &c., &c.

The fittings are strong, well-
made, and tested to 300 lbs.
Nickel-plated Oxidised Copper
or Steel Bronzed.

The Pedestal and Bowl are also
supplied artistically finished in
colours and picked out in Gold.

No. 632.—This Suite comprises
white ware Pedestal and Bowl
with cold water fittings for flush-
ing Bowl, draw-off and saliva
ejector, also brass trap, waste
pipe and $1\frac{1}{4}$ in. connection.

Price £6 2s. 0d.

No. 661.—Shaded in Old Gold
with Yellow panels. Bowl inside
coloured in Ruby, richly gilt on
all lines and embossment

Price 25/- extra.

No. 662.—Shaded in Terra
Cotta, Fawn embossment, with
Yellow panels. Bowl Ruby
colour inside, fully gilt on em-
bossment and lines.

Price 25/- extra.

No. 663.—Shaded in Celeste
Blue with pale Yellow panel
and Terra Cotta embossment.
Bowl Ruby colour inside, fully
gilt on embossment and lines.

Price 25/- extra.



No. 632.—Pedestal Spittoon in finest
white earthenware with fittings.

Price £6 2s. 0d.

This Spittoon is also made with hot
water fittings.

Price extra on application.

SPITTOONS.

The New Model Clark Double Bowl Spittoon.

Illustration shows:—

1. The drinking glass, mounted on an independent support, leaving the bowl absolutely unencumbered.

2. The finger bowl attachment. This is supplied only at an extra cost of **10/6**. The illustration shows the ordinary glass holder regularly supplied with both models.

New Model Double Bowl.

3. Separate outlet for overflow from drinking glass, and thumb screw which secures valve fittings in position. Slackening this one screw enables supply tube and valves to be lifted clear of spittoon for cleaning out and polishing. These valves have been greatly strengthened and improved.

4. Solid bronze casting instead of iron.

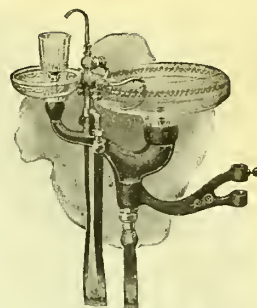
5. New method of attachment, allowing spittoon to rest and revolve on axis of casting, giving an entirely new and independent range.

	PRICE.	£	s.	d.
Complete on Stand, or with Chair Attachment ...		13	13	0
„ Clark's Regular Double Bowl ...		11	0	0

The New Model Clark Single Bowl Spittoon.

This model has a single bowl, but in all other respects is identical with the other model.

The glass bowl is curved as shewn. This gives an enlarged diameter to the bowl. As the water is discharged on to the side of the bowl it rises slightly, then descends again and passes round the bowl to the outlet.



New Model Single Bowl.

This arrangement does not check or retard the progress of the water, and ensures absolutely silent running of the spittoon.

So perfect is this New Model in its silent working, its efficient cleansing, and its rapid discharge, that it is easily the best Single Bowl Spittoon made. No other single bowl spittoon competes with it for appearance or for service.

It is without question the handsomest Single Bowl Fountain Spittoon ever constructed.

	PRICE.	£	s.	d.
Complete on Stand, or with Chair Attachment ...		11	11	0
„ Clark's Regular ...		8	0	0

The New Model Weber Fountain Spittoons.

NEW MODEL SINGLE BOWL.

The New Model Weber Fountain Spittoons are better in every way than any fountain spittoons that have ever been made for dental purposes.

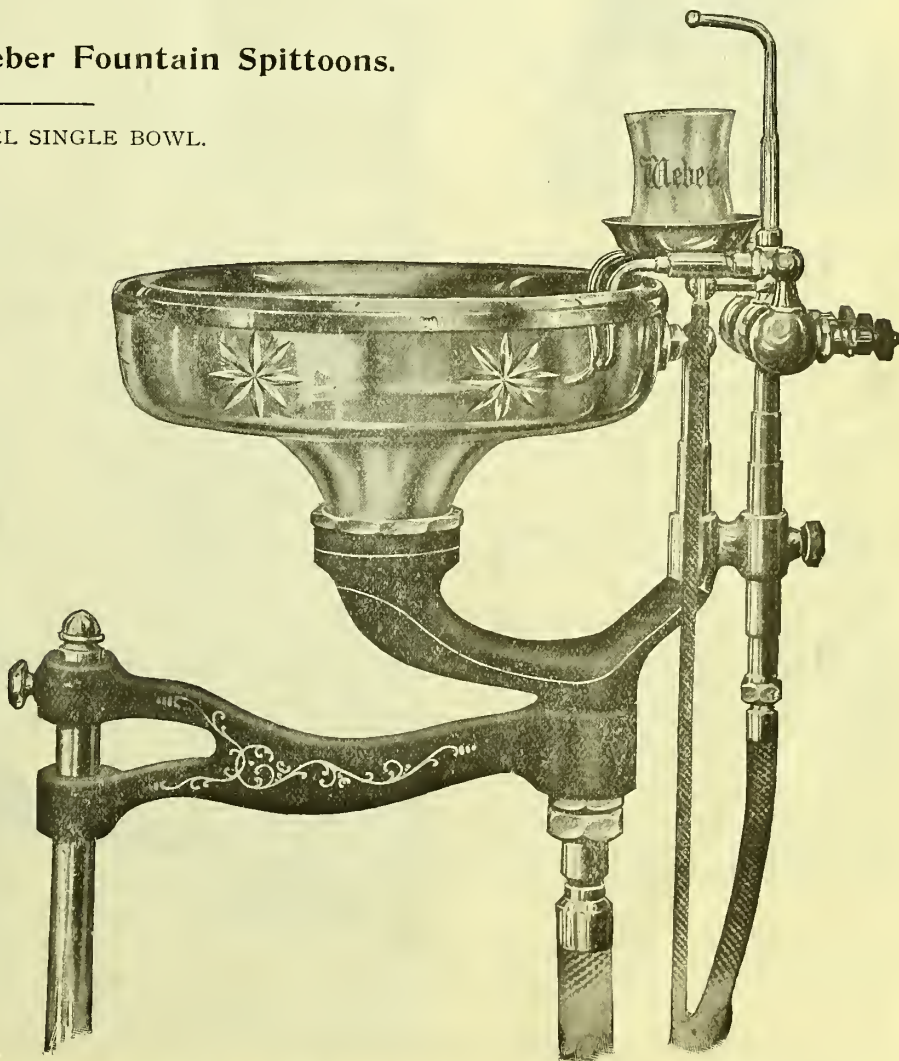
The bowl is made of genuine blown lead glass, surmounted by a heavy nickel-plated rim as shewn

The valves and connections are heavy and more durable than have ever been used in connection with any other spittoon. It will last a lifetime.

It is absolutely noiseless in operation and instantaneous in action.

The workmanship covering every detail of construction cannot be improved upon.

	PRICES.	£	s.	d.
The Weber Regular for Chair		7	7	0
„ „ „ on Stand		8	8	0
„ „ Special for Chair		8	8	0
„ „ „ on Stand		9	9	0
New Model, Single Bowl ...		10	10	0
„ „ Double „ ...		13	13	0



P. C. L. FOUNTAIN SPITTOON

(SINGLE BOWL).

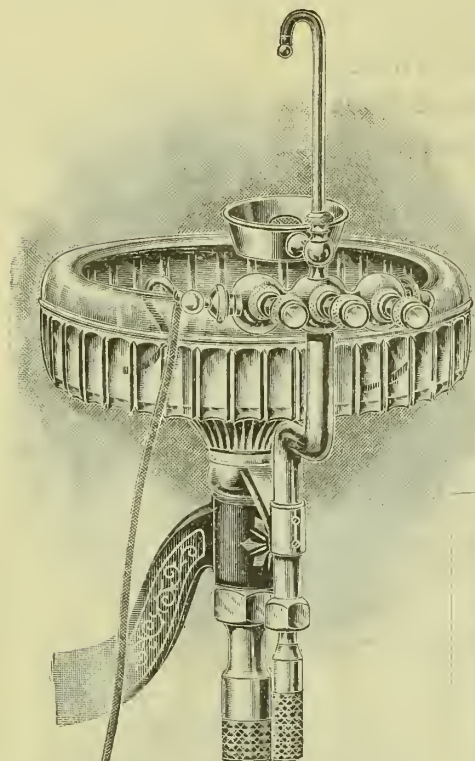
Complete on Heavy Stand beautifully Enamelled	...	£6 10s. 0d.
Complete with Chair Attachment		£6 10s. 0d.

There is no better piece of work, and no better single bowl Spittoon made than the P. C. L.

The Fountain Valves, and the Floor Valves, are a work of art.

The Bowl is a perfect piece of Glass moulding, and is made in three colours, viz. : Crystal, Ruby and Amber.

Price, complete with Spanner and a box of extra Washers,
£6 10s. 0d.



"THE MONARCH"

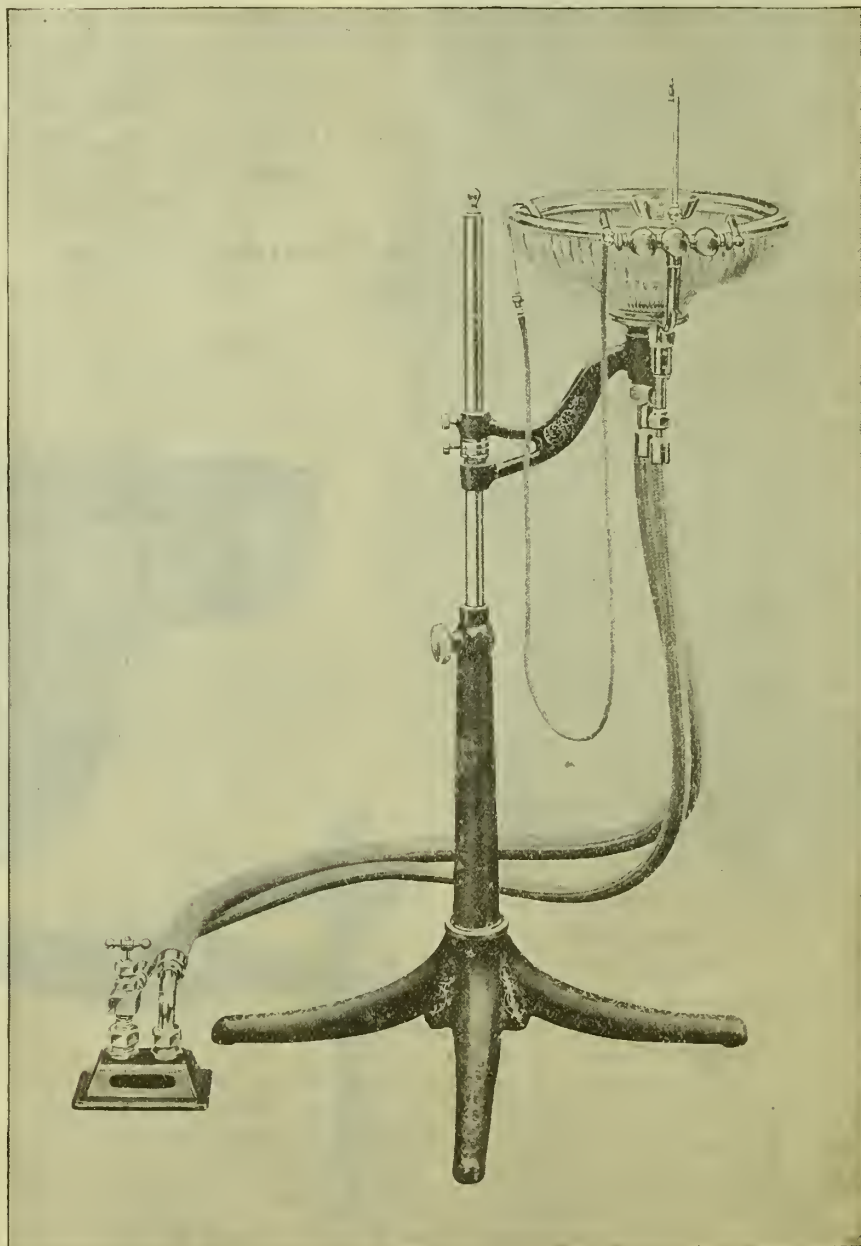
Double Bowl Fountain
Spittoon.

Every part of this Spittoon is made of the very best material, with the greatest care, by the best skilled labour.

The valves are perfectly water-tight. The glass bowls are a perfect piece of moulding. The Plated parts are beautifully finished. The Enamelled parts are on polished surface. The floor Valves are perfect.

Complete for Chair or Stand,

£8 8s. 0d. each.



PEDESTAL FOUNTAIN SPITTOON.

Ruby Glass Funnel, Nickel Plated Glass Holder and Rim, Enamelled Body and Base.

The Pedestal Fountain Spittoon recommends itself in those cases where there is not a ready connection with the water main.

The head of the apparatus is filled with water; press the piston rod provided at side, and 22 jets of water shoot into the ruby glass furnished so that all spittle, blood, cotton-wool, etc., is washed away at once into a receptacle provided in the base of the apparatus.

This receptacle can be taken out for emptying and cleaning, and the small pieces of cotton-wool, etc., are caught up in a small metal chamber provided beneath the spittoon, and can readily be disposed of.

The head of the column has a capacity of nearly two gallons of water.

Price ... £5 0s. 0d.

Ditto with Marble Plate at top as Fig. 2.

Price ... £6 0s. 0d.



Fig. 1.

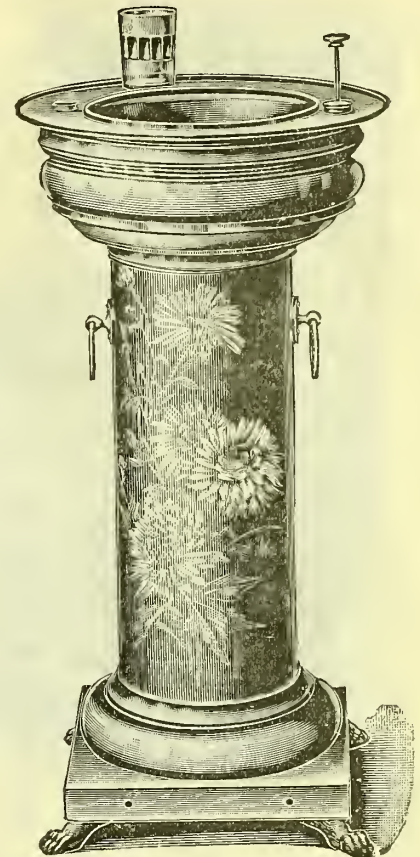


Fig. 2.

THE CLARK RESERVOIR SPITTOON.

The Clark Reservoir Spittoon will be found useful by dentists having their offices in apartments where it is impossible to get plumbing connections, or in country places where there is no running water. Also for small branch practices where the expense of fitting plumbing connections is not warranted. The convenience of having a spittoon that presents a cleanly appearance all the time, and which does not require washing out after each patient, will be appreciated by dentists and also by patients.

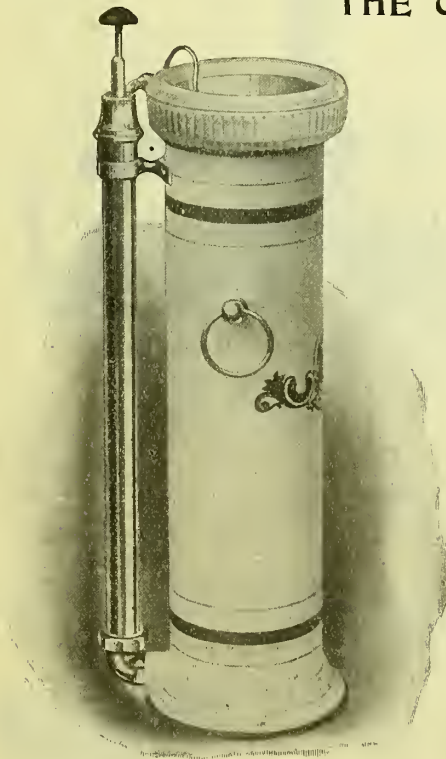
The Reservoir Spittoon consists of a steel tank 34 inches high and 8 $\frac{3}{4}$ inches in diameter, holding about four gallons of fresh water.

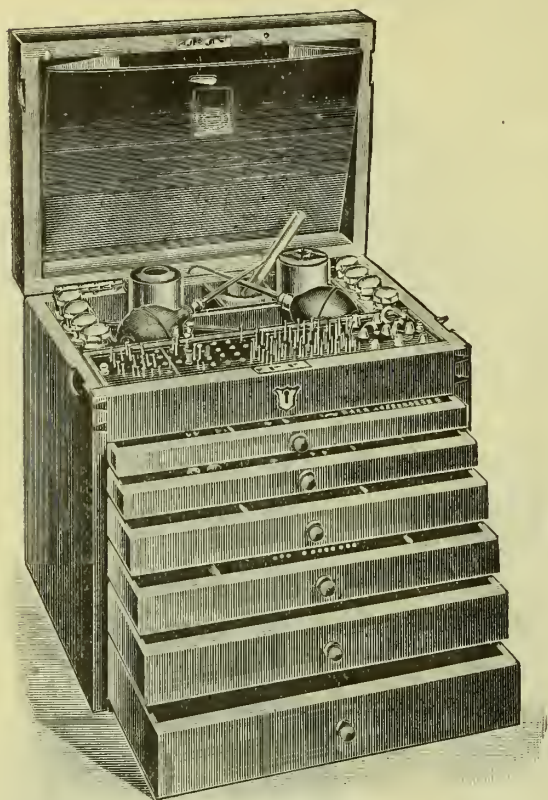
The inner receptacle is held on brackets inside of this large tank, has a porcelain enamelled cover, and on this cover a glass bowl. The water in the outer receptacle is pumped, either by the patient or by the dentist, into the bowl, and the water, saliva, etc., find their way through this bowl into the inner receptacle. The pump works on the double action principle, thus enabling the bowl to be flushed with a large volume of water with very little effort. The inner receptacle can be cleaned out at a time most convenient to the dentist and when there are no patients in the office.

The spittoon is not a cheap production, and is not in any way to be compared with the reservoir spittoons which have been produced in the past. The Clark Reservoir Spittoon is made in the same substantial way, that has made the name of "Clark" famous in the dental world.

To give only one instance, the outer cylinder and the inner tank of this spittoon are made of heavy seamless drawn steel. It is expensive material but durable, and therefore the cheapest in the end.

The price of the Spittoon, complete ... £8 0s. 0d.



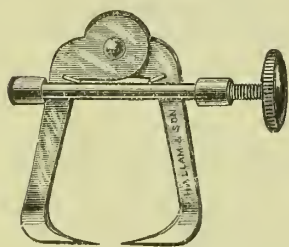


STUDENTS' HOSPITAL OUTFITS A SPECIALITY.

PRICES FROM £18.

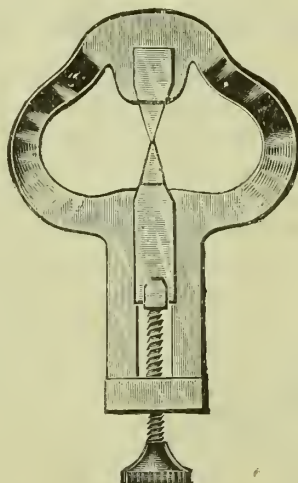
ALL GOODS GUARANTEED BEST QUALITY.

LIST OF ANY HOSPITAL THROUGHOUT
THE KINGDOM (FREE ON APPLICATION)
SHEWING OUR PRICES AND SPECIAL
DISCOUNT.



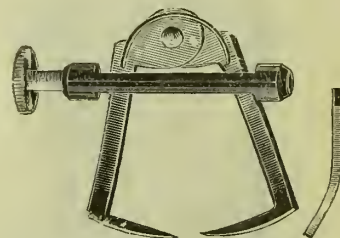
UNIVERSAL SEPARATOR,

4/-



IVORY'S PATTERN SEPARATOR,

5/6



IMPROVED SEPARATOR,

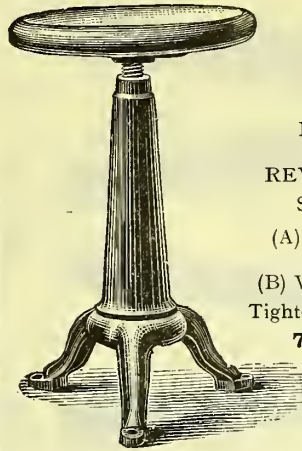
4/-

PERRY'S SEPARATOR 9/- each.
Key, 1/6

STOOLS, &c.

OPERATING
STOOL.Best Quality and
Finish.A Handsome Article
of Furniture, and very
useful, Upholstered in
Plush (Red).

42/- each.



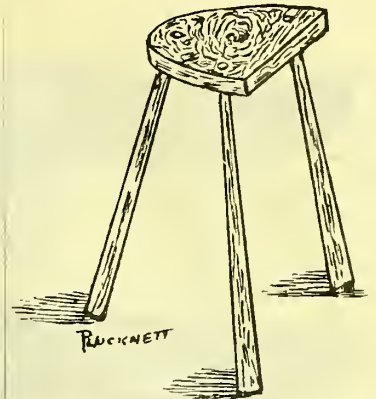
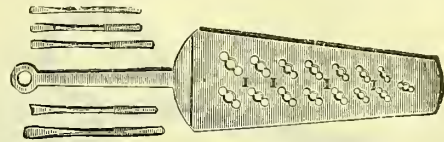
No. 241.

REVOLVING
STOOL.

(A) 5/- each.

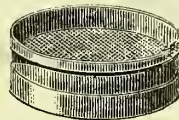
(B) With Lever-
Tightening Action.

7/6 each.

No. 242.—MECHANIC'S 3-LEG
STOOL, 2/- each.Useful Stand, "THE UNIVERSAL."
Without Table, Spittoon or Glass, 50/-
See also Attachments, page 54.

Finest Quality English Screwplates. Bright, Notched as Engraved.

Nos.	5	6	7	8	9	10
	2/9	3/6	4/6	5/-	6/-	6/6



Sieves.

8 ins.	...	2/- each.
10 "	...	2/6 "
12 "	...	3/- "

Casting Sand.

7 lbs.	...	9d.
14 "	...	1/3
In Linen Bags.		

Water of Ayr Stones.

No. 310.

SLIPS.



Size	$\frac{1}{8}$	$\frac{3}{16}$	$\frac{1}{4}$	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1 in. square.
Price	8d.	8d.	9 $\frac{1}{2}$ d.	9 $\frac{1}{2}$ d.	9 $\frac{3}{4}$ d.	10 $\frac{1}{2}$ d.	1/4	2/4 $\frac{1}{2}$ per dozen.
No. 311. WHEELS	...	...	...	...	...	...	...	Price 1/3 per lb.
No. 312. SLABS for polishing marble	...	...	...	...	...	...	...	3/6 per dozen.
No. 313. SLATE STONE SLIPS...	...	...	...	...	...	...	...	5d. "

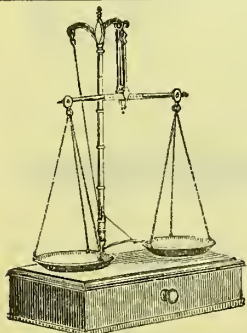
Arkansas Oil Stones.



No. 586.

In neat polished cases. Best quality Stone.

Length	3 $\frac{1}{2}$	4	4 $\frac{1}{2}$	5	6 inches.
Price	2/6	3/-	3/6	3/9	4/6 each.
Extra thick Stone.					
Length	4	...	5	...	6 inches.
Price	3/9	...	5/9	...	7/6 each.



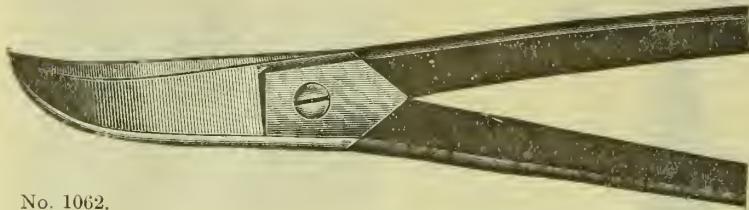
Jewellers' Scales.

No. 1163.—Brass Stand Scales for Small Work.

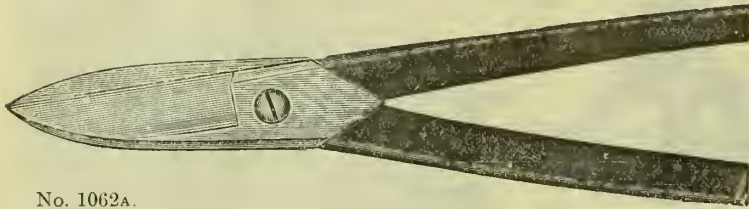
Polished Mahogany Box, with Drawer,
Brass-jointed Pillar, with Lever and Backstring,
Bright Iron Box-end Beam, Brass Pans and
Chains, and Troy Cup Weights.

Beam Length	7	8	9	10	11	12 ins.
Weights	2	3	5	5	10	15 ozs.
Price	24/-	27/6	30/-	35/-	40/-	45/-

SHEARS.



No. 1062.



No. 1062A.

CURVED BLADES. Light Pattern.
6 ins. long Black. Bright.
2/- and 2/6

As Nos. 1062, 1062A.

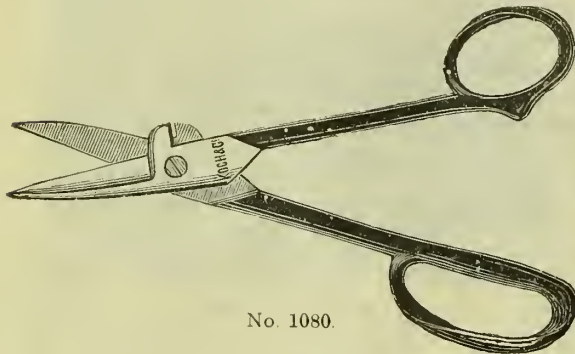
VERY FINEST ENGLISH.

		5	6	7	8 ins.
Black	...	2/4	2/10	3/4	3/10 each.
Bright	...	3/-	3/6	4/-	4/6 „

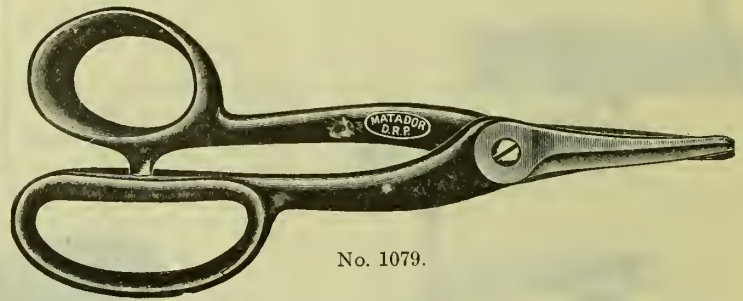
STRAIGHT BLADES. Light Pattern.
6 ins. long Black. Bright.
1/6 and 2/-

VERY BEST ENGLISH.

		5	6	7	8 ins.
Black	...	2/2	2/6	2/9	3/3 each.
Bright	...	2/6	3/-	3/6	3/9 „



No. 1080.



No. 1079.

NEW "PERFECTION" SHEARS.

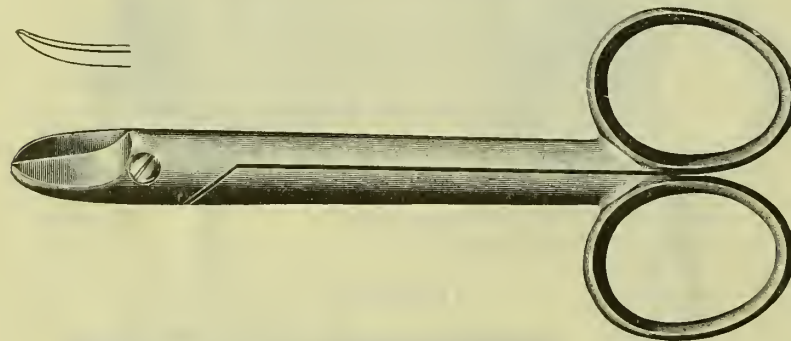
The Blades are placed transversely to the cutting edge, and are always clear of the plate and turn freely in any direction.

4/- per pair.

THE "P.R." SCISSORS, SHEARS & WIRE CUTTERS.

LOOP HANDLES.

Straight ... 2/- Curved ... 2/6
Warranted Quality.



CROWN SHEARS, Straight or Curved ... 2/- each.

SHELLAC STICKS.

1/6 per dozen. 2d. each.

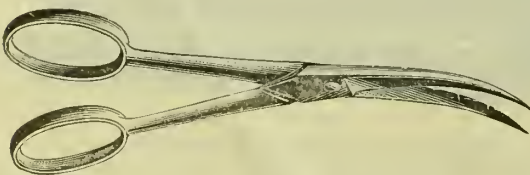
STEARINE.

10d. per lb. 5 lbs. 3/6.

SPONGE HOLDERS.

3/6 each.

SCISSORS.



GUM SCISSORS.

Straight ... 1/6 and 2/- each.
Curved ... 2/- and 2/6 „



FOIL SCISSORS.

3/6 each.

P. C. L. Suction Discs.

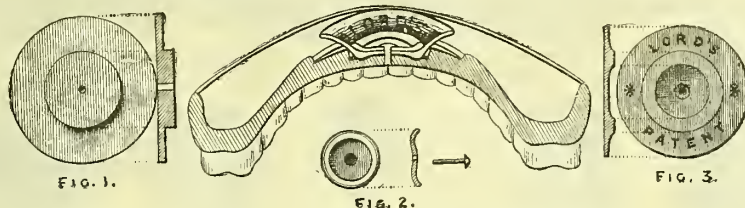
These being our own manufacture, we are able to offer them at a reduction. They are quite as effective as those sold at a higher price.

Box of 1 dozen Complete Sets ... 4/6

Rubbers only ... per dozen, 2/-

Lord's Patent Moulded Suction Discs.

Boxes of 12 Sets of Discs,
Red or Grey Rubber,
6/6 per box.



Boxes of 12 Sets of Discs,
Red or Grey Rubber,
6/6 per box.

With Gold Washers and Platinum Bolts ... 19/- per box.
 " Dental Alloy Washers and Platinum Bolts... 14/- "
 " Gold Plated Dental Alloy Washers and Gold
 Plated Fine Silver Bolts ... 11/- "
 " Pure Aluminium Washers and Bolts ... 6/6 "
 Rubber Discs only, any pattern, Red or Grey ... 3/6 per doz.
 Platinum Bolts ... 5/- "
 Gold Plated Fine Silver Bolts ... 1/4 "

Pure Aluminium Bolts ... 8d. per doz.
 Gold Washers ... 10/2 "
 Gold Plated Dental Alloy Washers ... 5/4 "
 Dental Alloy Washers ... 4/8 "
 Pure Aluminium Washers ... 1/6 "
 Fine Grain Tin Chamber Patterns ... 10d. per doz. Sets.
 Cast Steel Riveting Tool, to rivet on ... 5d. each.

Rauhe's Improved Suction Disc.

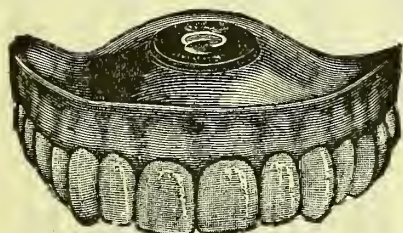
Patented in England, Germany, France, Austria-Hungary, Belgium, the United States, &c.



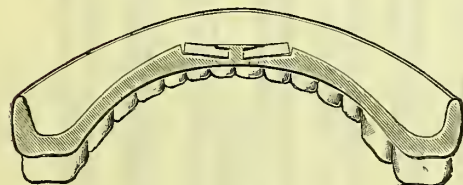
Tin form with Gold Stud embedded in it.



Ex. Large. Large. Small. Ex. Small.
The four sizes in which the India-rubber Discs are supplied.



Suction Disc in Denture.



Section of Denture with Suction Disc in position.

Including 3 India-rubber Discs... each, 2/6
 " " " " per doz., 27/-
 Extra India-rubber Discs ... " 9d.
 Aluminium do. complete ... each, 1/3

Aluminium Studs for
Suctions.

Thick or Thin.
1/6 doz.

Spyer's Automatic
Suction Cavities.

S. S. W.
2/- box.

Leman's Suction
Valves.

New Pattern.
4/- each.

Waite's Suction
Discs.

8/4
Set of 6.

Metal Chamber Plates.

For forming Air Chambers
in Vulcanite Plate, assorted
6d. doz., 5/- gross.

The "Dens" Patent Suction Disc. New.

Directions for use.

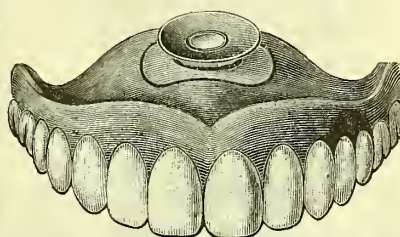


Fig. 2. Suction in Position.

In introducing this Suction we have no hesitation in recommending it to the profession as the best yet invented; it is small, neat and efficient, no trouble whatever, they are made in Aluminium, 16 ct. gold, and Dental Alloy.

C. J. PLUCKNETT & Co., Ltd.,
Sole Agents.

Insert the patent screw through the centre of the suction disc, screw into the palate with the fingers; grasp the screw on the underside of the palate with pliers, screw home, and nip off the unrequired portion of the screw.

If screwed into the palate very tightly a powerful suction will be obtained, which can be lessened by unscrewing slightly.

PRICES.

Aluminium ... 1/-
 10/6 dozen sets.
 Dental Alloy ... 3/-
 16 ct. Gold ... 3/6

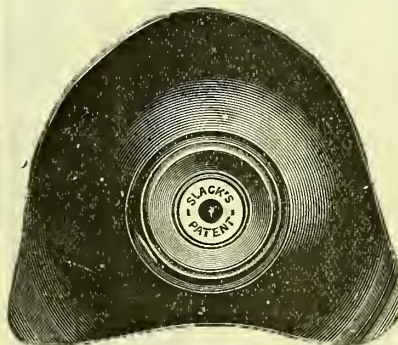


Fig. 1.

The Set consists of the
Suction Complete, and
Tin Discs, &c., for mak-
ing Chamber.

Suction
Complete.

The "Duplex" Suction.



It is sanitary in use, and does not injure the mouth. The Flexible Cells or Discs can be easily attached or removed by the Patients themselves.

The Flexible Cells are made of Vela Rubber, which has proved to be the most favourable for the mouth.

The Rigid Cell makes a neat Suction Chamber without the Flexible Cell, and can be supplied separately.

PRICES.

Complete Outfit with Aluminium Stud ... 1/-
 " " " 18 ct. Gold Stud ... 2/-
 Rubber Cells or Discs (per dozen) ... 6/-
 Excavators for Duplex Suctions ... each 3d.

SUCTION DISCS.

Dr. Galloway's Suction Device.

FOR LOWER DENTURES ONLY.

Patented in Great Britain. Other Patents Pending.

This suction device has been specially designed for lower dentures, as there has been a long-felt want for such an article.

It has been put on the market after having been sufficiently tested as to its practical efficiency.

The rubber strip is held in position in the denture by the suction produced by the small holes on the curved surface, and to the gum by the suction through the large holes on the flat surface.

The strip can be removed by the patient, and replaced within half a minute.

There is enough suction produced through the holes in the rubber strip to hold the denture securely to the gum without any discomfort to the patient.

Fig 1.—*a* and *b* are drawings of the flat and the curved surface of the rubber strip respectively, shewing holes which serve to retain the denture in the mouth. *c* shews countersunk holes in metal bar, into which the heads of the pins should be firmly pressed. *d* section of denture showing rubber strip in position.

Fig 2.—Shewing metal bar pinned to model along the alveolar ridge.

Fig 3.—Shewing groove left in case when bar is removed; into which the rubber strip is inserted.



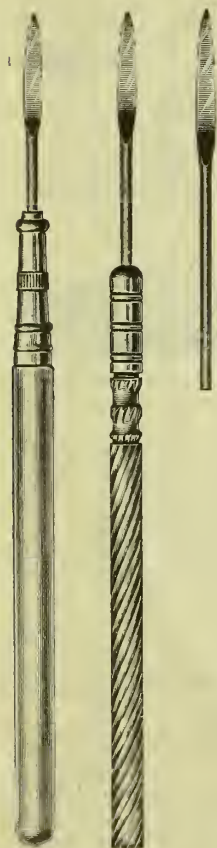
Fig. 1.



Fig. 3.

Metal Bar and Rubber Strip complete	...	...	3/-	6 Metal Bars and 6 Rubber Strips complete	...	...	15/-
3 Metal Bars and 3 Rubber Strips complete	...	...	8/-	12 Metal Bars and 12 Rubber Strips complete	...	...	27/-
				Extra Rubber Strips, 1/6 each.			

PRICE.



FOR RELAY WORK.

Dr. T. C. Triggers' Miniature Spatulas

are delicate, flexible and light; just the thing for mixing small quantities of cement and applying in the cavity and on inlay. No other Spatula so adaptable to difficult locations. Used with or without a Broach Holder, every part of the mouth can be readily reached. When roughened from use, throw away, as they cost only 1/- per dozen. Sold only in packages of one dozen.

Sold in packages of one dozen at

1/- the Package.

Either Bone or Metal Handle Broach Holder, extra,

6d. each.



BONE SPATULA 1/- each.

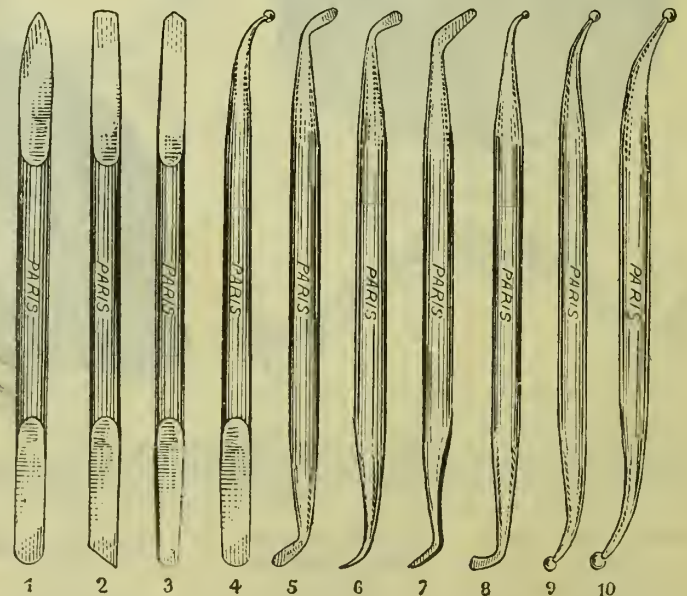
P. C. L. BONE SPATULA 9d. each.

" IVORY " 1/10 "

AGATE SPATULAS.

Single ended 2/- each.

Double " 3/- "

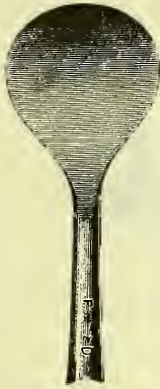


HORN SPATULAS 1/8 each.

VULCANITE SCRAPERS, &c.



No. 901.



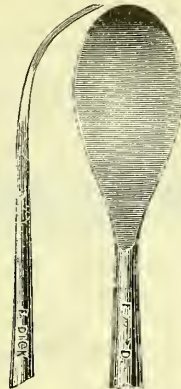
903



905



907



910



911



912



913



914

8d. each.



No. 918



920



922



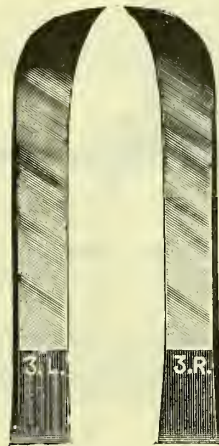
924



926

Price 8d. each, all with wooden handle.

Drake's Vulcanite Scrapers.



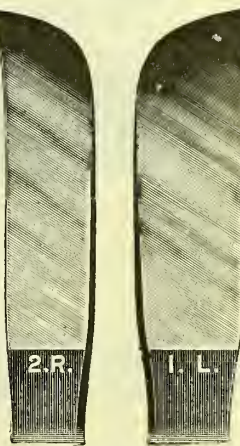
3.L.



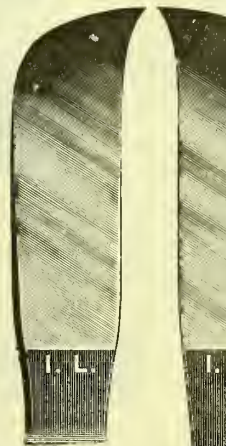
3.R.



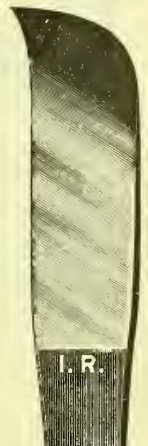
2.L.



2.R.



1.L.

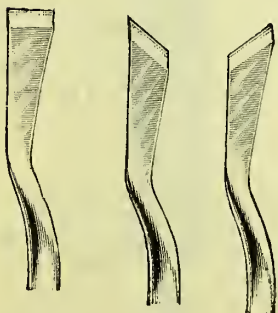


1.R.

Right and Left in three sizes, all steel, well made and nickel-plated.

All at 1/- each. 5/6 set of 6.

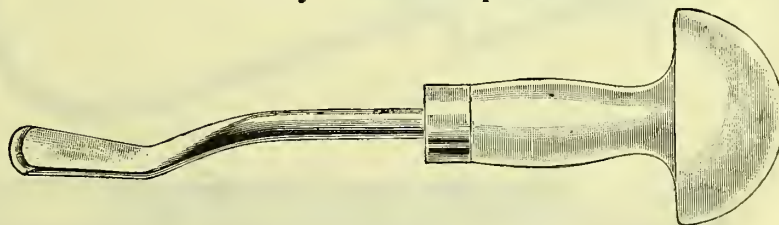
Ivory Pat Scrapers.



No. 1

2

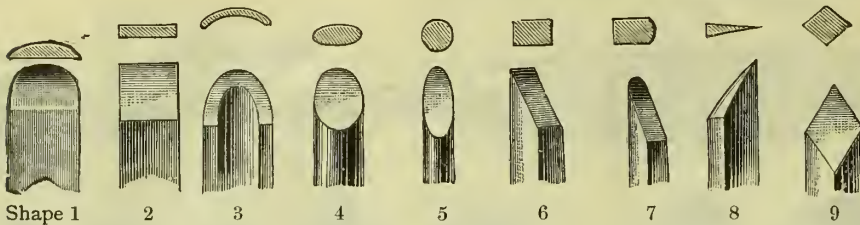
3



No. 4.

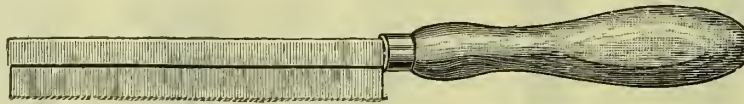
In Handles, 8d. each.

Scorpers or Sculptors.



No. 1.	Solid, half-round	...	3d. each.
" 2.	Chisel Shape	...	3d. "
" 3.	Hollow	...	4d. "
" 4.	Oval	...	3d. "
" 5.	Round	...	3d. "
" 6.	Flat Edge...	...	2d. "
" 7.	Round	...	2d. "
" 8.	Knife	...	3d. "
" 9.	Square or Lozenge	...	2d. "

Brass Back Saws.



No. 1031. Prices, Small 6d. ; Medium 8d. ; Large 10d. each.

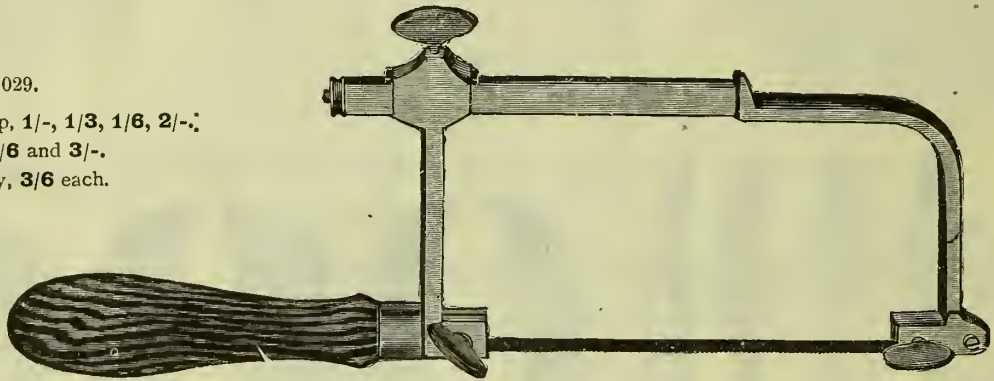
Ordinary Saw Frames.

No. 1029.

2 ins. and 2½ ins. deep, 1/-, 1/3, 1/6, 2/-.

Superior, 2/6 and 3/-.

Extra quality, 3/6 each.



Ribbon Saws.

CUT ON BOTH EDGES. Widths, $\frac{1}{8}$, $\frac{3}{16}$, $\frac{1}{4}$, $\frac{3}{8}$, $\frac{1}{2}$.

Price, packet of 12, 2/-

Mouth Sawframe.

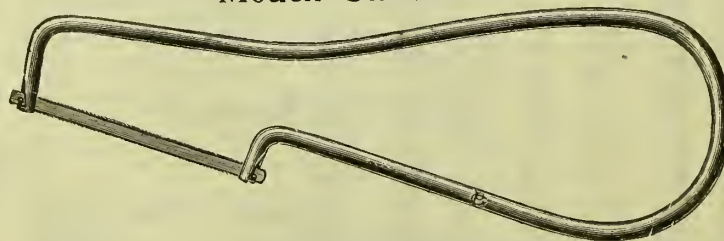
CROWNING

SAWS,

with Mandrell,

9d. each.

Saws only 6d. each.



Complete, 9d. Extra Blades, 9d. dozen.



PIERCING SAWS. 2/- and 2/6 per gross.

PIERCING SAWS.

Best Quality, Straw
Colour, 2/- per gross.Best Quality, Blue
Colour, 2/6 per gross.

FLAT SAWS.

Best Quality, 3/6 per
gross.Best Quality for Backs,
1/6 doz., 6d. each.

P.C.L. All Metal Syringe.

The very latest and the finest Syringe yet placed on the market.

It is superior to many higher priced and is to be depended upon in every way.

Syringe only,
4/6 each.

With Straight or Curved
Nozzle,
5/6 each.



The Imperial Dental Syringe.

The persistent demand for a powerful, unbreakable Anæsthesia Syringe, sufficiently large to treat several teeth at one filling, and strong enough to be economical leads us to offer the New Imperial syringe shewn in cut. Made of extra thick metal; hexagon syringe cap, funnel shaped for filling, with special durable packing; piston rod extra small to give compound pressure; fitted with extension rod, large button and strong well-shaped (new) finger bars—giving a feeling of comfort to the operator. A wrench supplied with each Syringe to tighten packing and eliminate leakage.

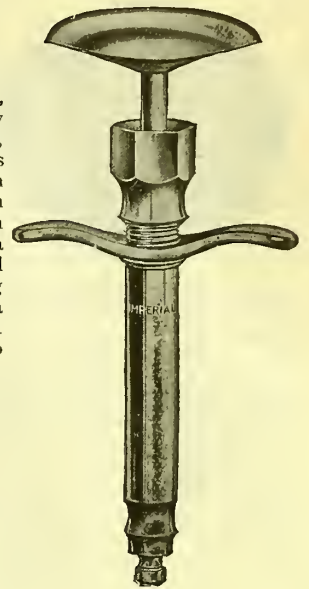
No waste of Anæsthetic.

No waste of time.

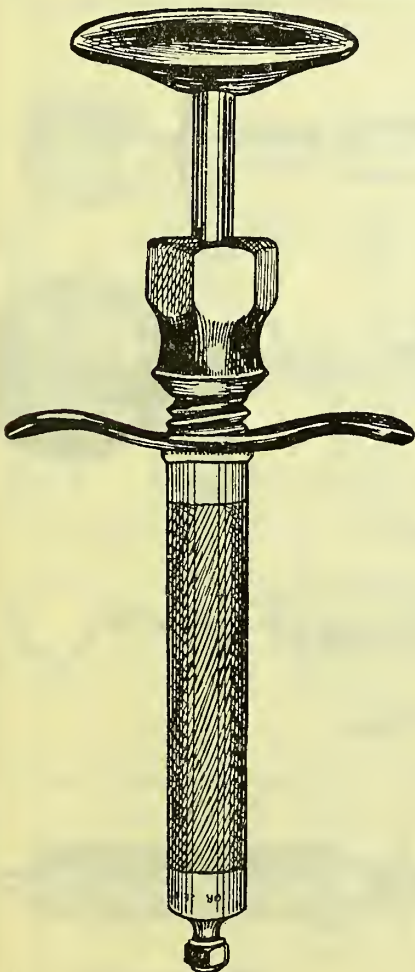
No waste of money on repairs.

Price 8/-

With 2 needles
(1 each straight and curved),
9/-



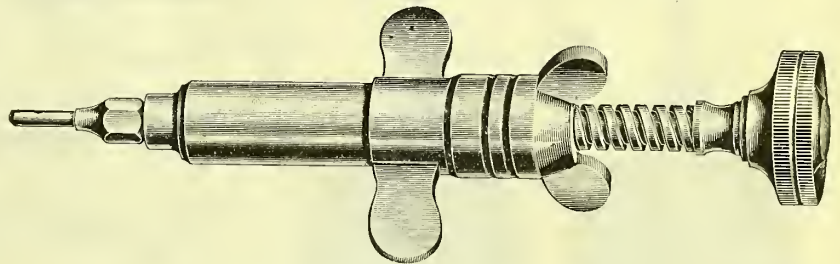
Freeman Indestructible Syringe.



6/- each.

The P.C.L. Screw Syringe.

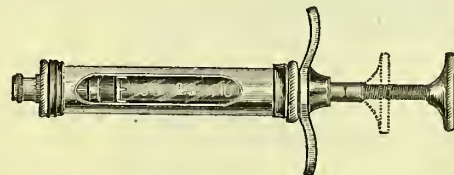
Suggested by Mr. F. S. DUNKIN, L.D.S., Eng., of Abingdon.



This Syringe, a sketch of which appears above, is the very last thing in Syringes. Instead of having to push the plunger down, this Syringe screws down and all the shaking and unsteadiness of the hand is done away with. Theoretically the Syringe may appear to be slower to use but in practice it is quicker and much more sure and with considerably less trouble.

Price 8/-, with nozzle, 6d. extra.

Reparable Dental Syringe.

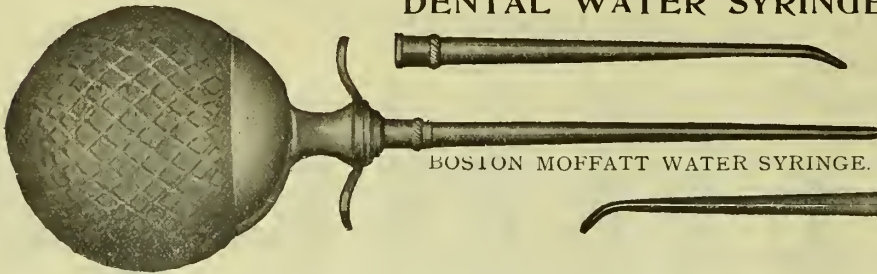


30 minim with Extension Piston, with extra barrel and 2 R and B Dental Needles. Extra heavy glass barrel, and special packing, in case complete, 7/6.

The Alvatunda Syringe.

In Case complete, 8/-

DENTAL WATER SYRINGES.



BOSTON MOFFATT WATER SYRINGE

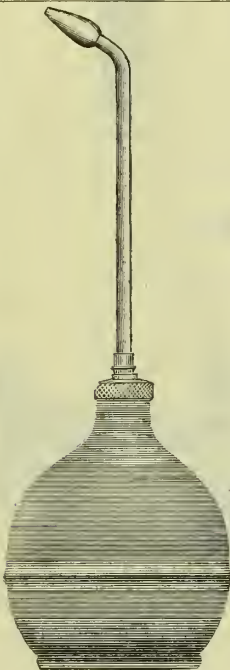


In our Boston Moffatt Water Syringe we offer a distinctly new Syringe made on advanced lines. It is so constructed that no washers are visible, and in point of workmanship and easy manipulation is a very superior instrument.

Boston Moffatt Water Syringe, with finger bars, in neat box, with one straight and one curved point ; supplied with best quality rubber bulb with silk covering

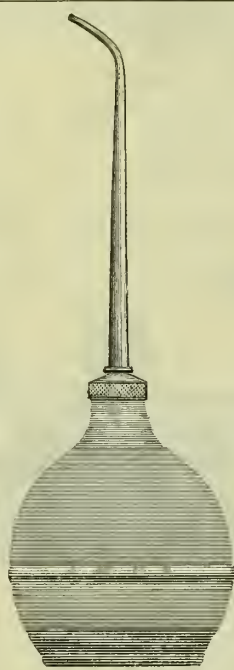
Boston Student Water Syringe No. 1, without finger bars, in neat box, with one curved point; supplied with best rubber bulb with silk covering 3

Boston Student Water Syringe, same as No. 1, without covering	..	..	..	..	..	..	..	2
---	----	----	----	----	----	----	----	---



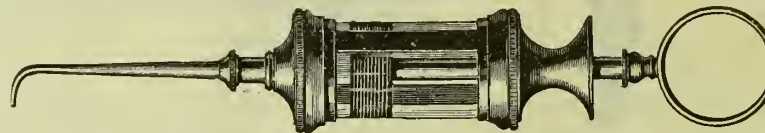
BOSTON HOT AIR
BLOWER.

6¼ ins. long, Red Bulb with curved point and bulbous end. Price 2/6.

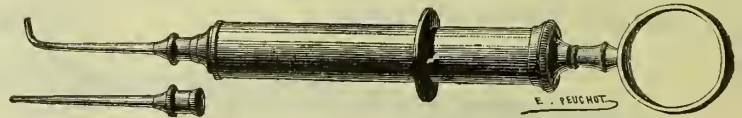


CHIP SYRINGE,
2/- each.

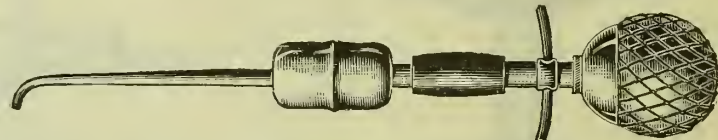
Rubber Bulbs,
Grey, 9d.
Black, 1/-



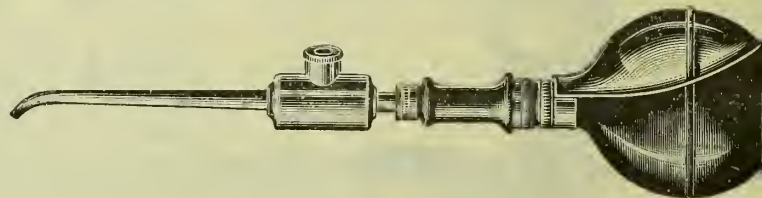
No. 1. WATER SYRINGE, **3/6** each.



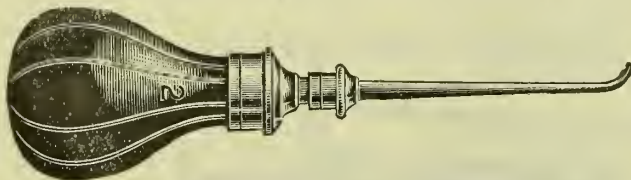
No. 2. METAL WATER SYRINGE, 3/- each.



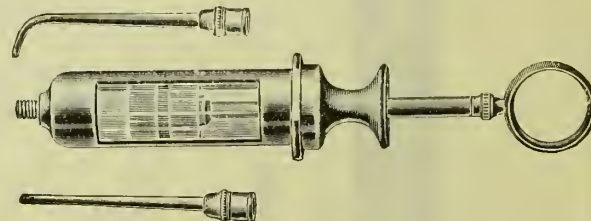
MOFFATT'S HOT AIR SYRINGE, 6/6 each.



HOT AIR SYRINGE, 7/6 each.



No. 3. WATER SYRINGE, Slip Joint, in $\frac{1}{2}$, 1 and 2 oz. sizes,
3/-, 4/- and 4/6 each.

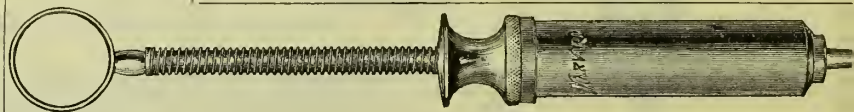


METALINE WATER SYRINGE, 1047 K.

This Syringe is made on the same principle as the Metaline Dental Syringe. 10/6 each.



No. 4. WATER SYRINGE, Screw Top, 4/- each.



HARVARD SELF-FEEDING WATER SYRINGE. Price 7/6.
BOSTON ditto, 4/- each.

BOSTON 3-RING DENTAL WATER
SYRINGE.
Supplied with 1 Straight and 1 Curved Point.
4/- each.

"Astra" Self-Repairing Dental Syringe

WITH EXTENDING PISTON ROD.

Constructed entirely of Metal and Glass, without Solder or Washer of any description. Guaranteed to stand sterilization by boiling, thus ensuring perfect *asepsis*.

40 minim 2 c.c. capacity.

English Patent No. 3386.

THE LATEST.

THE BEST.

Illustration shewing the Patent "Astra" Dental Syringe, 40 minim capacity, with Extending Piston in Metal Case with Registered Rack, and with a spare Graduated Glass Barrel, fitted with hermetically "ground in" Nickel Piston for effecting own repairs.

An "Astra" Syringe will last a lifetime, all spare parts are interchangeable, and no trouble to fit.

Specially suitable for the Colonies and Abroad on account of the simplicity of repair.

Advantages of the "Astra" Patent Aseptic Syringe over all others.

No Washers.

No Solder.

Ease of Repair.

1. Absolute *asepsis* secured by absence of any Washers or Solder, and ease of sterilization by boiling separate parts of Syringe without risk of fracture of Glass Barrel, through unequal expansion of Metal and Glass.

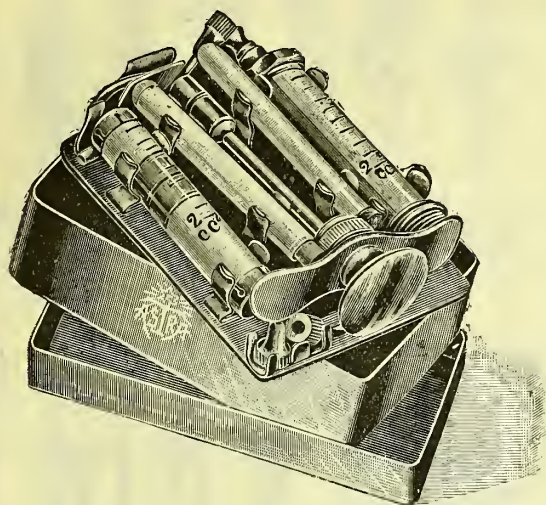
2. A new Glass Barrel and Piston can be fitted in a moment by the user, without the trouble and loss of time involved in returning to makers for repairs.

In ordering care should be taken to state what Mounts and Needles are wanted.

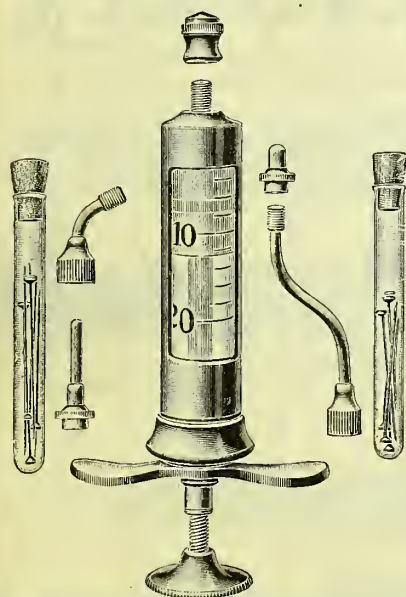
"Astra" 40 minim Dental Syringe only fitted with Cap for end of Syringe when it is not in use, 8/6.

"Astra" 40 minim Dental Syringe with Spare Barrel and Piston for making own repairs, with Short and Long Mounts, B and C; with Curved Mounts D and E and 2 Tubes of Needles in Metal Case, 17/6 Complete.

NOTE.—This Syringe is actually equal to two complete articles, as it has the Self-Repairing Barrel and Piston always available.

**High Pressure Dental Syringe.**

METALINE DENTAL SYRINGE.

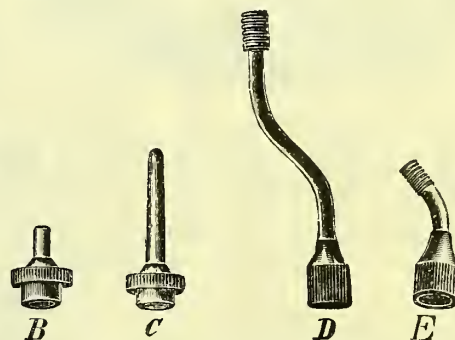


The illustration does not shew the correct graduation. These are graduated to 40 minims, and fitted with extension piston rod and various mounts, as illustrated.

Complete in Metal Case,
18/6 each.

Complete in Morocco Case,
12/6 each.

The chief feature of this Metaline Syringe is that the glass barrel is fixed on to the mounts by a metal cement, the Syringe is free of washers of any sort, and the piston plunger is of nickelled metal ground to hermetically fit the glass barrel. The whole Syringe stands sterilization by boiling.



ADAPTORS FOR SYRINGE.

To take Schemel Needles.

Small, 5d. each.

Long, 9d. each.

P.C.L. NEEDLES.

Square Hubs. 2/6 per dozen. Straight or Curved.

INTERCHANGEABLE HYPODERMIC NEEDLES.

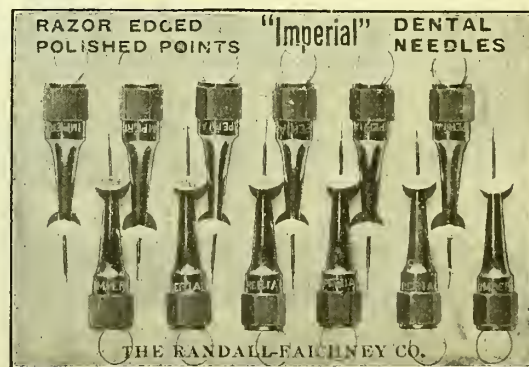
In glass tubes of 6. 10d. per tube. 8/6 per dozen tubes.

CHEAP NEEDLES.

6d. per tube. 5/6 per dozen tubes.

THE BOSTON NEEDLE.

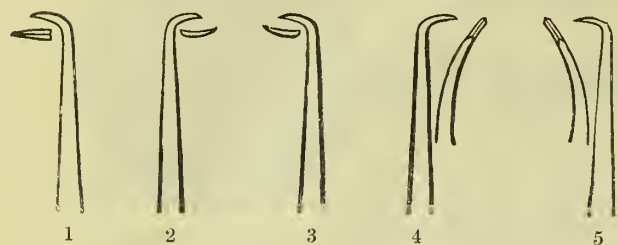
Well finished. Strong and durable. Straight or Curved.
Price 3/6 per dozen.

**Imperial Dental Needles.**

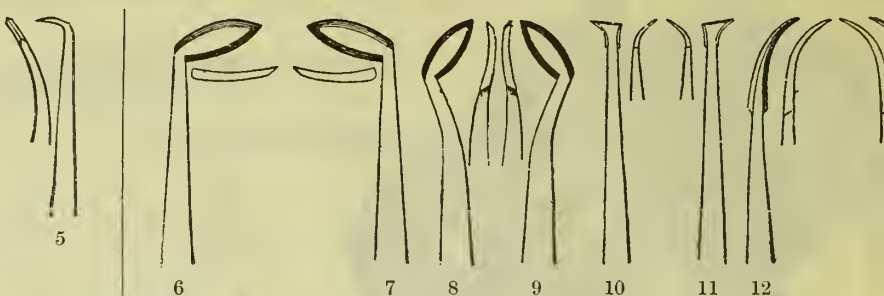
Curved or Straight.

Price 6/- per dozen.

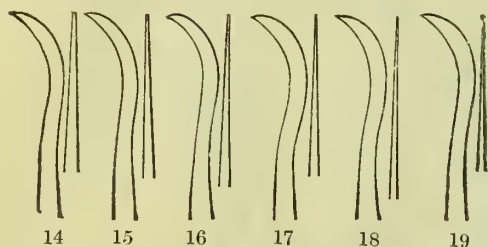
SCALERS, &c.



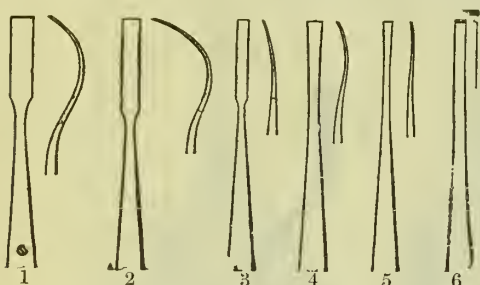
HOWE'S SCALERS.
Set of 5, 1/- each.



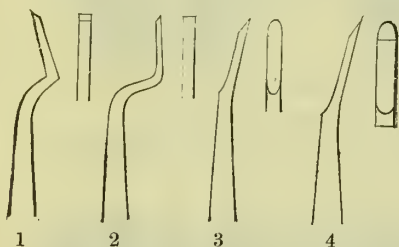
SCALERS, VARIOUS, 1/- each.



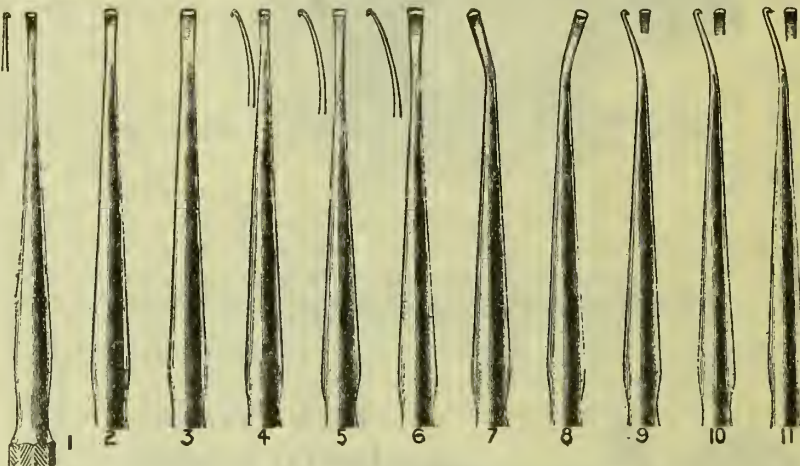
LORD'S SICKLE SCALERS, 1/- each.



CUSHING'S SCALERS, 1/- each.



MITCHELL'S CHISELS, 1/- each.

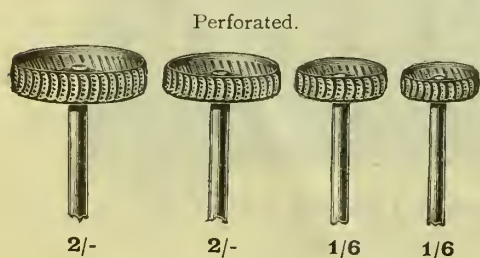


Mr. STURRIAGE'S Set of fine Scalers, Milled Octagon Handles, N.P., 1/- each.



ABBOTT'S CHISELS, 1/- each.

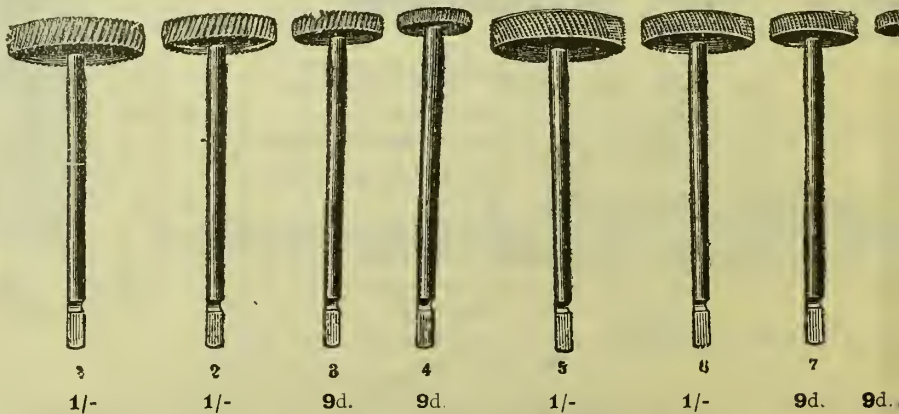
STUMP CUTTERS.



Perforated.

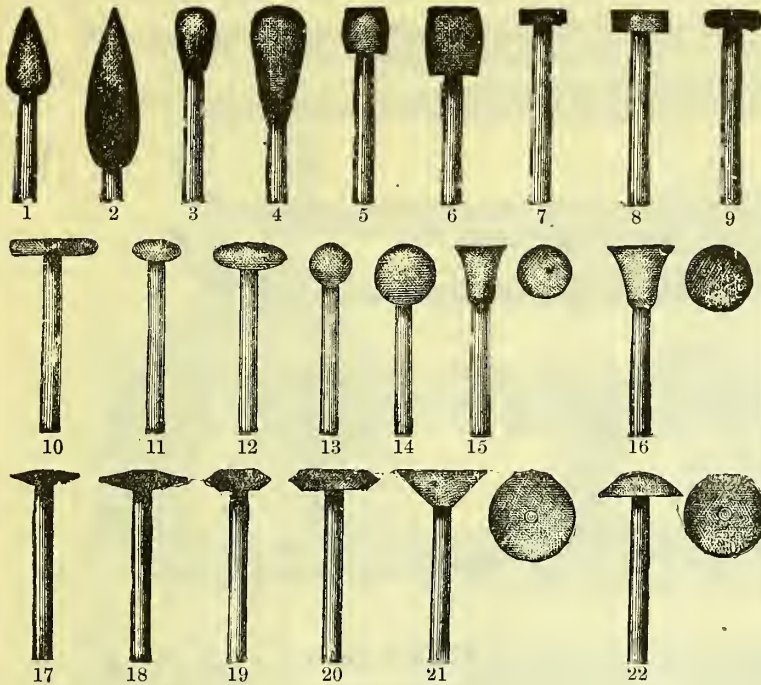
2/- 2/- 1/6 1/6

Solid Wheel Cutters.



1/- 1/- 9d. 9d. 1/- 1/- 9d. 9d.

ENGINE STONES.

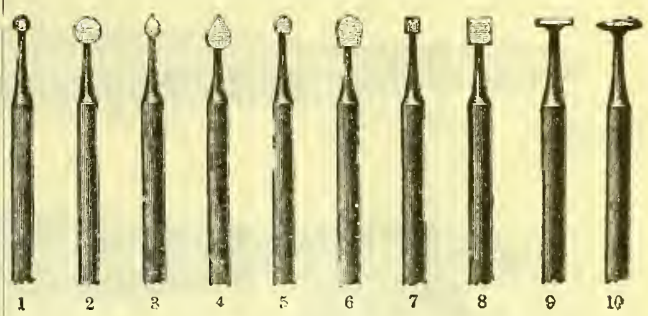


Arkansas, 1/6 each.

Hindustan, 10d. each.

Water-Ayr, 6d. each.

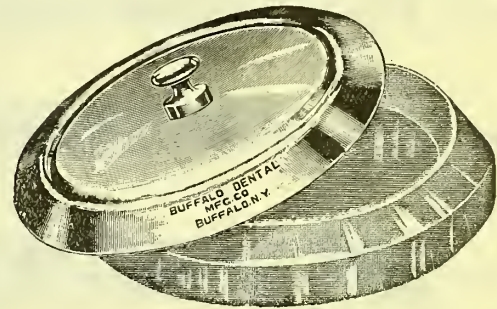
Dr. JENKIN'S ARKANSAS STONES.



1/3 each.

Trim Glass Tray.

Serves as a receptacle for pumice or small instruments on the operating table, and borax or porcelain mixed in the laboratory. Neat and dainty, as its name implies, it is designed to do away with makeshift trays of all descriptions in laboratory or operating room.



CUT FULL SIZE.

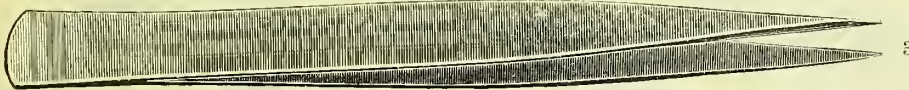
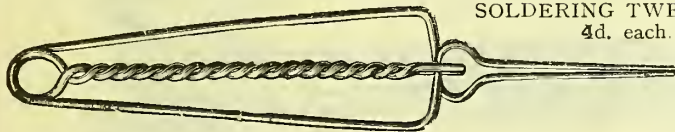
Inside surface of tray ground. Lid, heavy brass, polished and nickel plated.

Price 1/9.

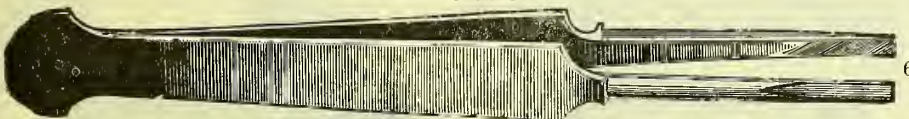
STEARINE, 10d. per lb.

5 lbs. 3/6.

SOLDERING TWEEZERS, 4d. each.

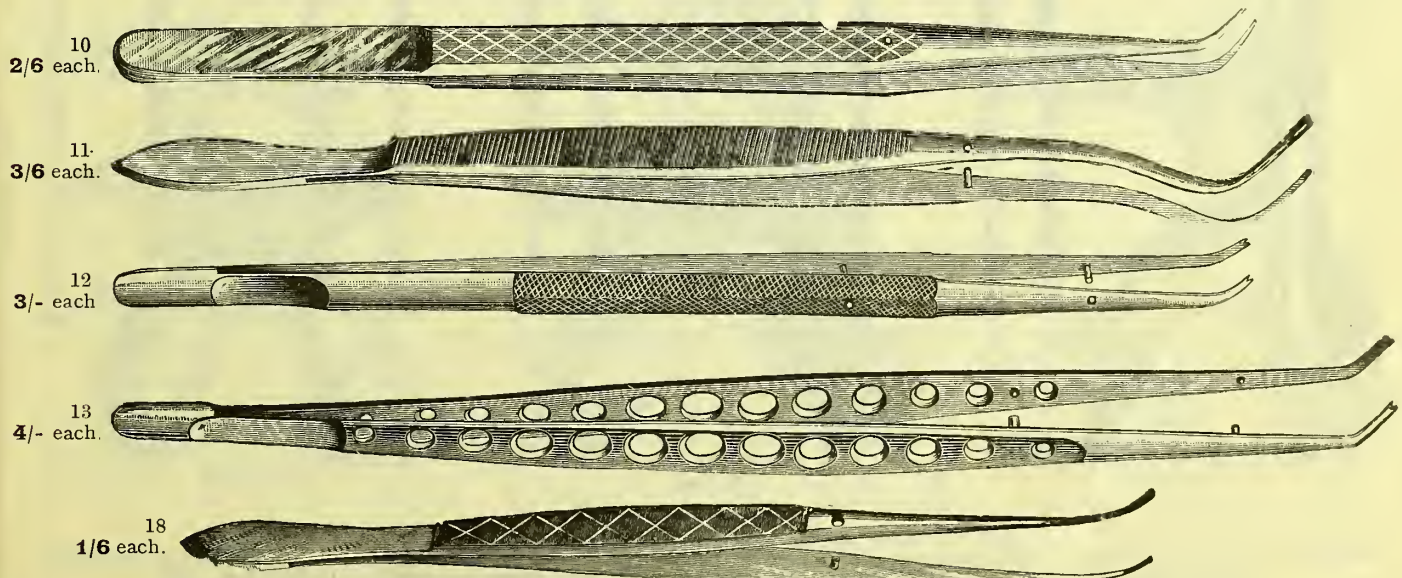


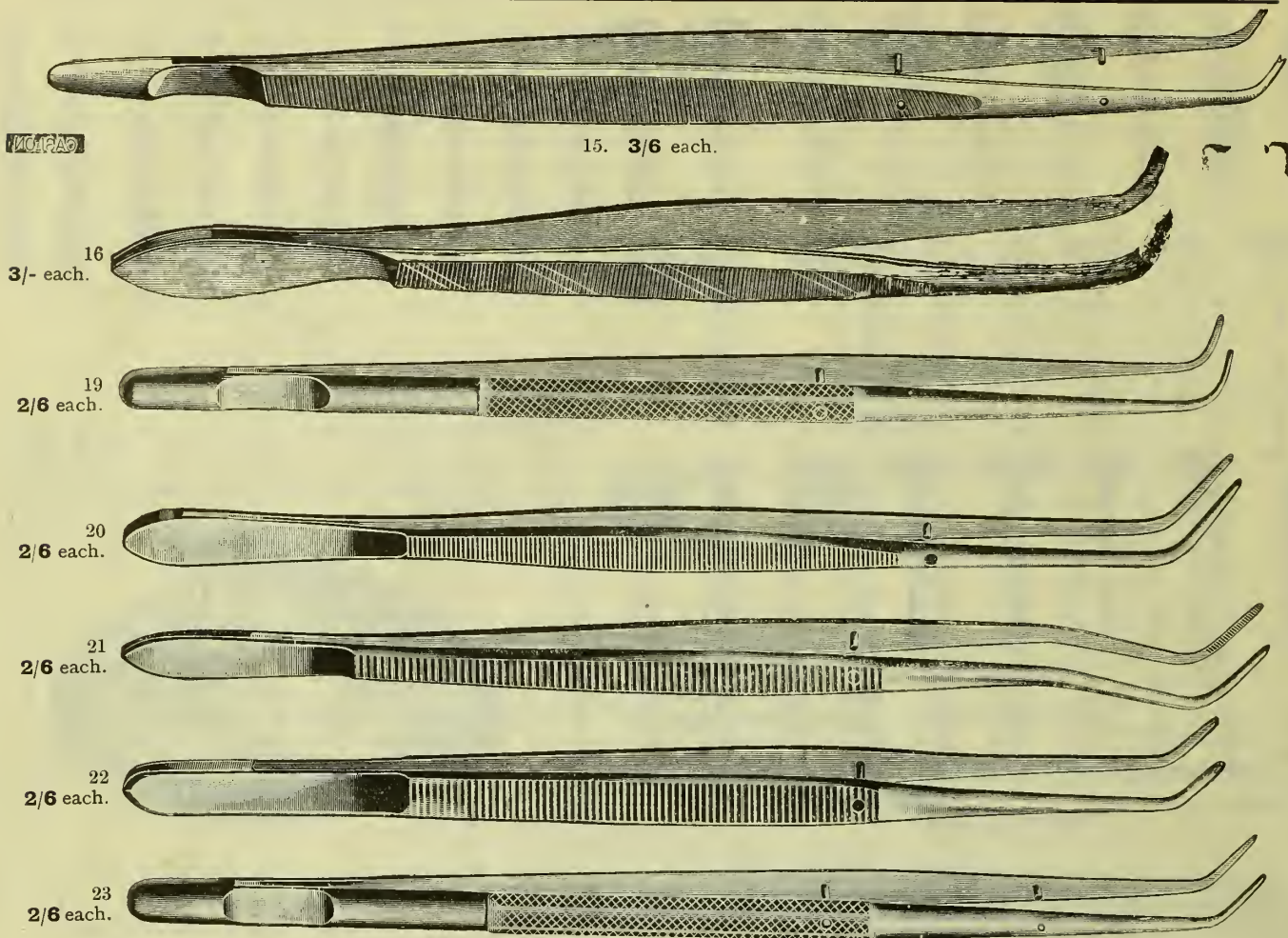
5d. and 6d. each.



STRONG TWEEZERS, 4d. and 5d. each.

SURGERY TWEEZERS.





DENTAL DRESSING TABLES.

IN GREAT VARIETY.

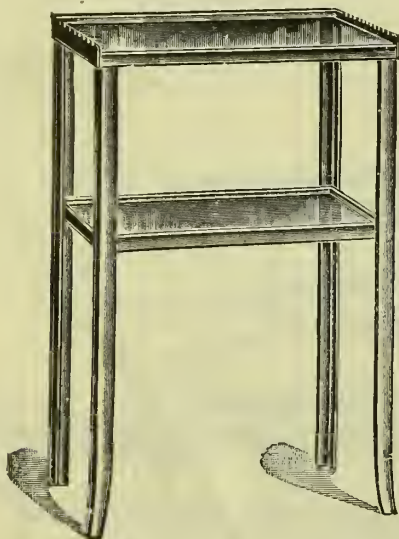


Fig. 216.
34 ins. high, 20 ins. wide, 15 ins. deep.
Two Glass Shelves, Enamelled White.
30/- each.

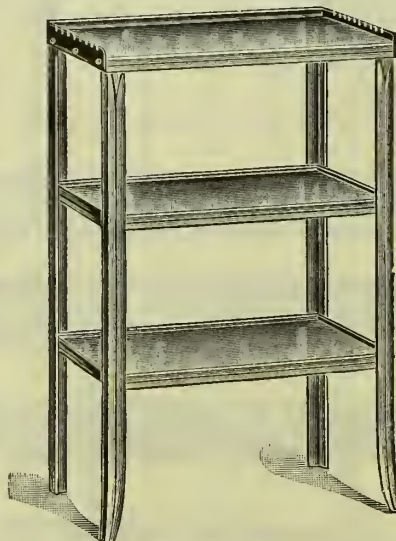


Fig. 216A.
Three Shelves.
Same Measurements as 216.
35/- each.

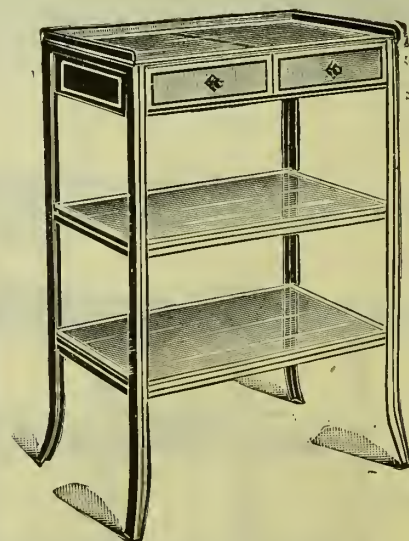


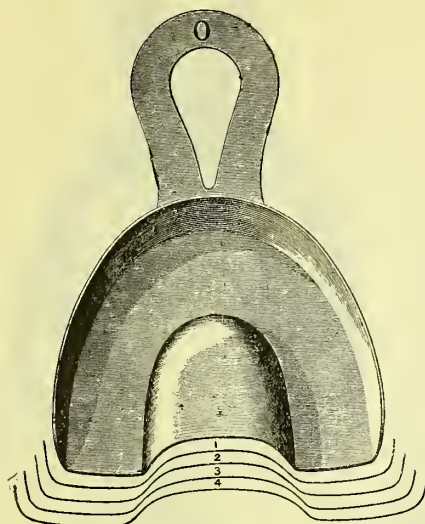
Fig. 216B.
Three Shelves, Two Drawers.
36 ins. high, 24 ins. by 16 ins. Table.
55/- each.

For Tables see page 33.

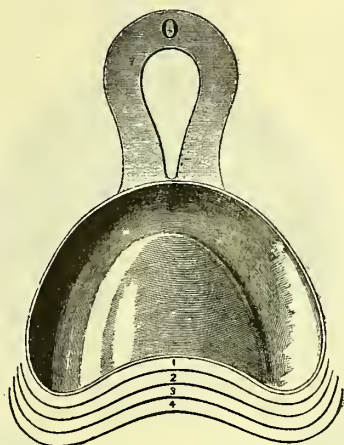
TABLE COVERS, Aseptic Paper, 100 in box, 3/2, for Allen Tables, &c.

IMPRESSION TRAYS.

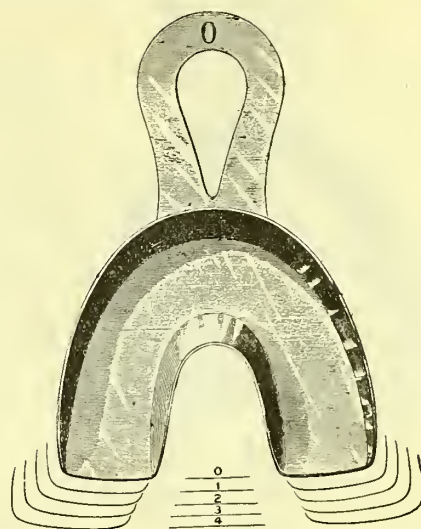
NICKEL SILVER THROUGHOUT, THEY ARE THE VERY BEST TRAYS IN THE MARKET. 12/- per doz., 1/2 each



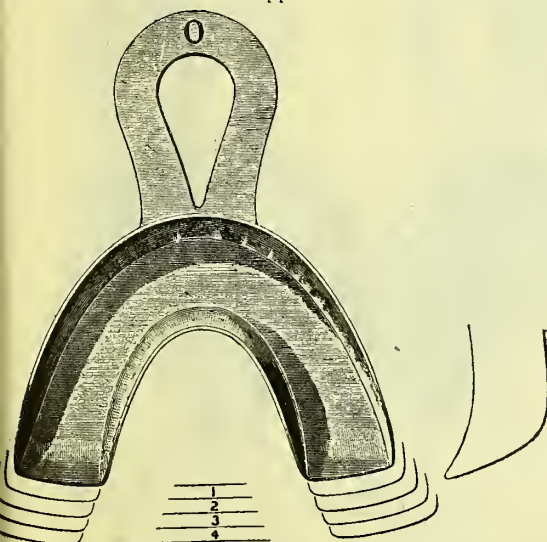
A Upper.



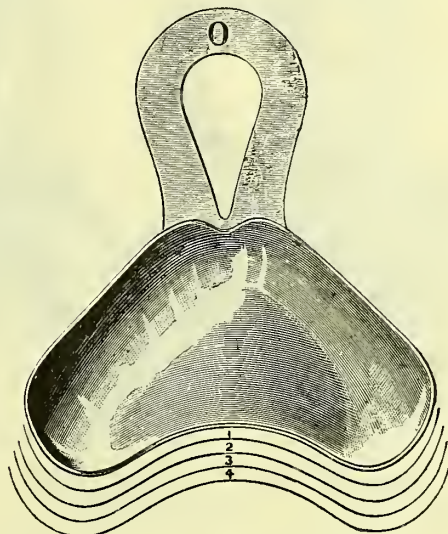
B Upper.



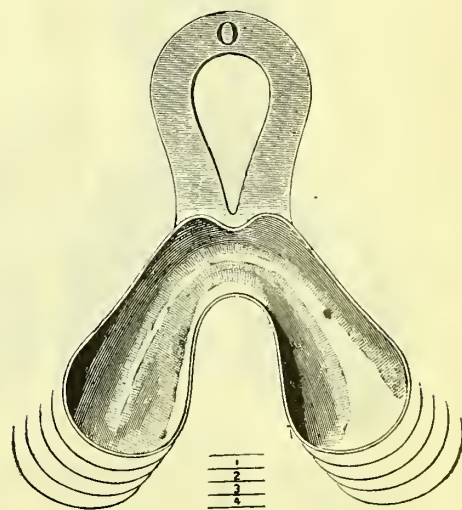
C Upper.



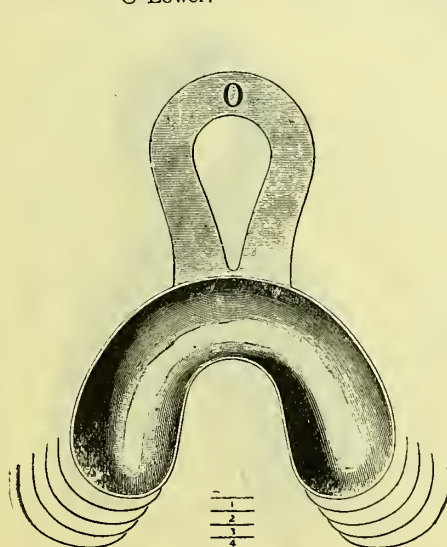
C Lower.



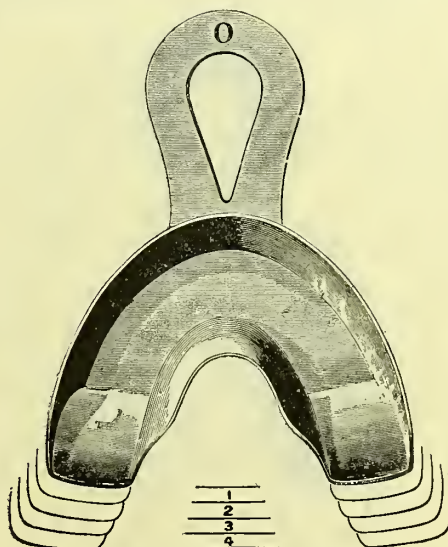
D Upper.



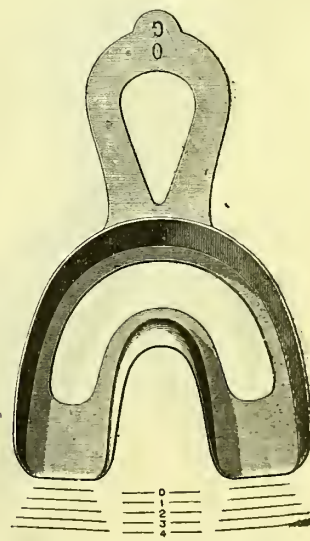
D Lower.



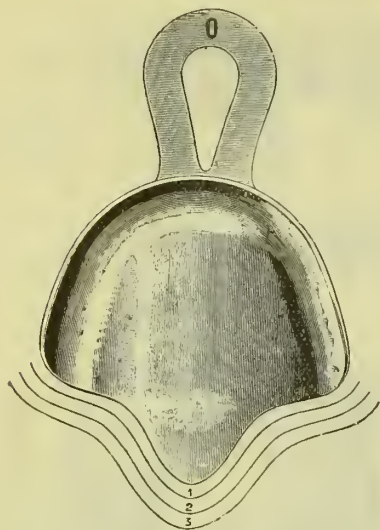
E Lower.



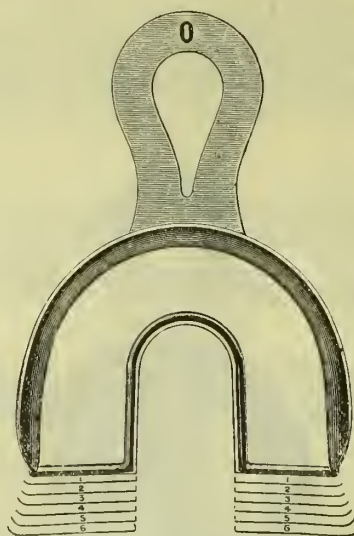
F Lower.



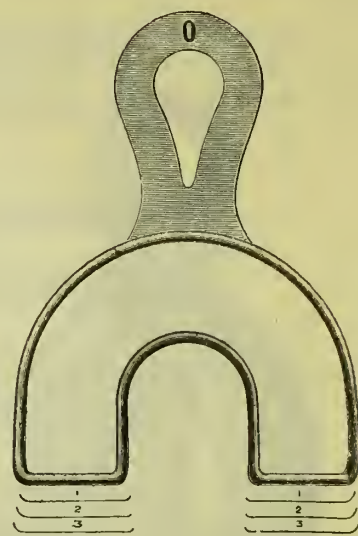
G Upper and Lower.

IMPRESSION TRAYS—*continued.*

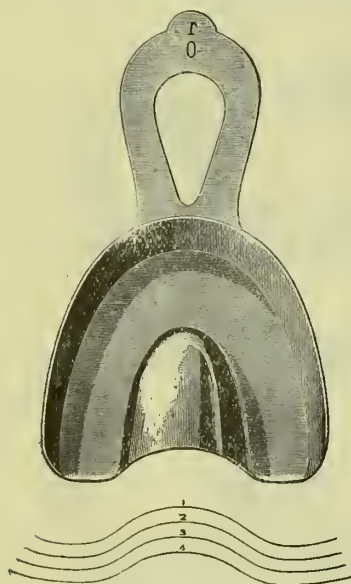
H Colespat for Plaster.



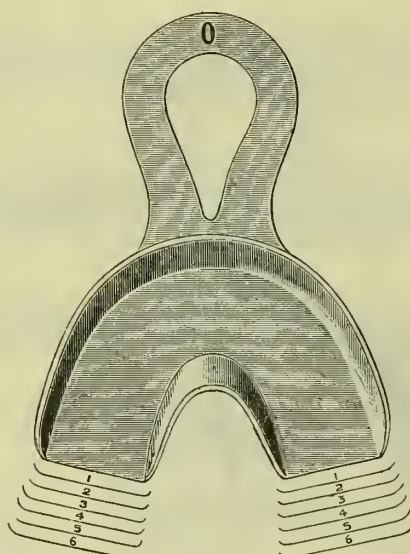
I Bite.



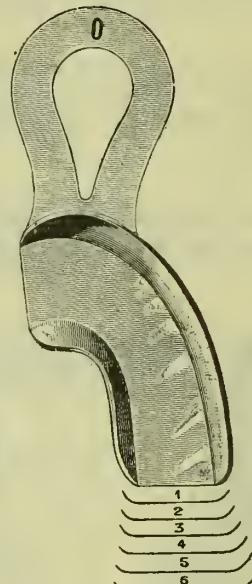
I Wire Bite.



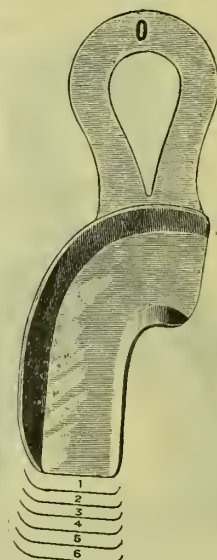
J For Upper Deep.



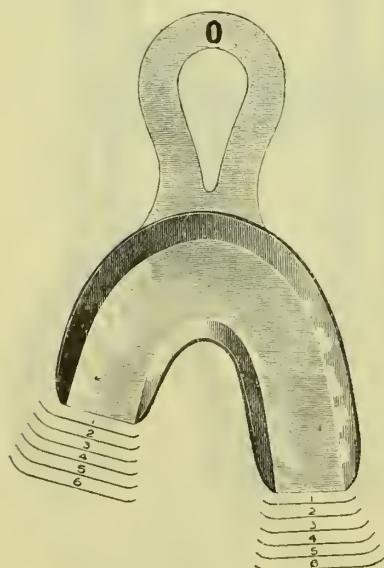
K Upper and Lower Front Piece.



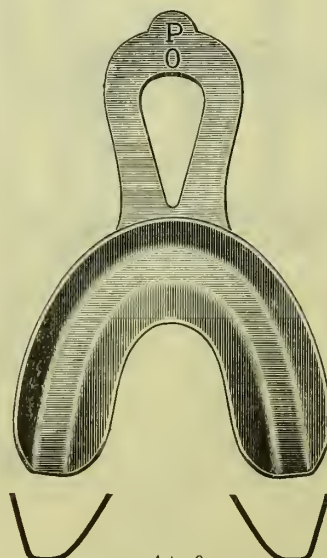
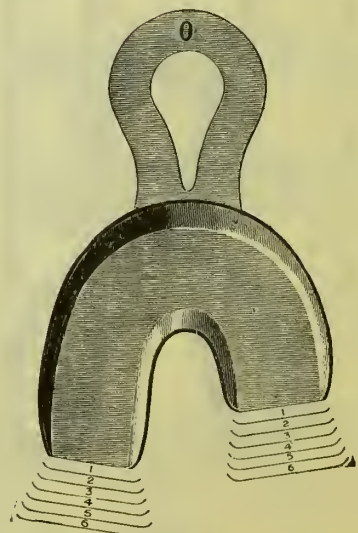
L Right Upper and Lower Side Piece.



M Left Upper and Lower Side Piece.

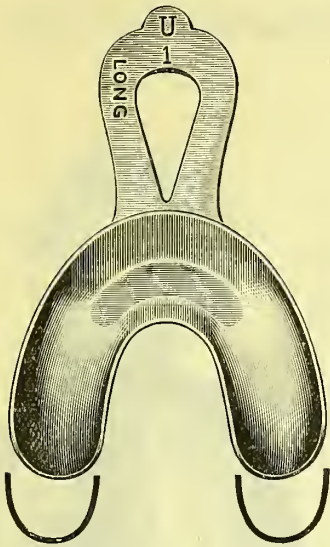


N Upper and Lower Three-quarter Piece.

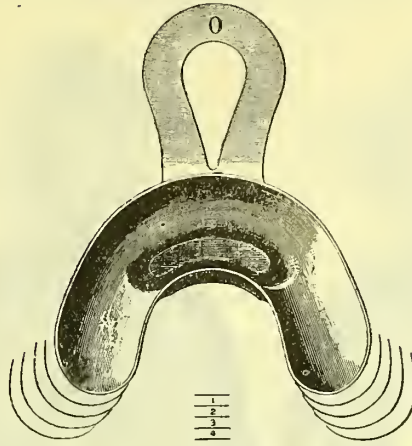
4 to 0
P Lower.

N* Upper and Lower Three-quarter Piece.

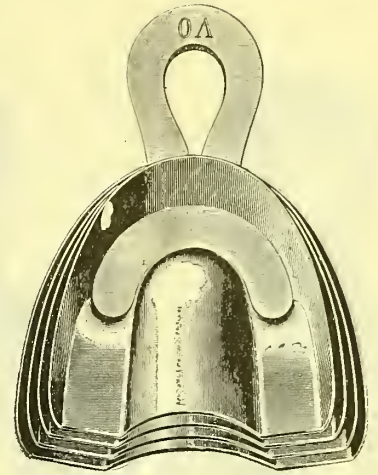
IMPRESSION TRAYS—*continued.*



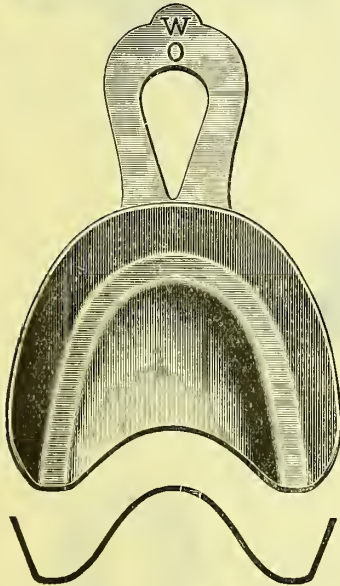
0 to 4
U Lower Long.



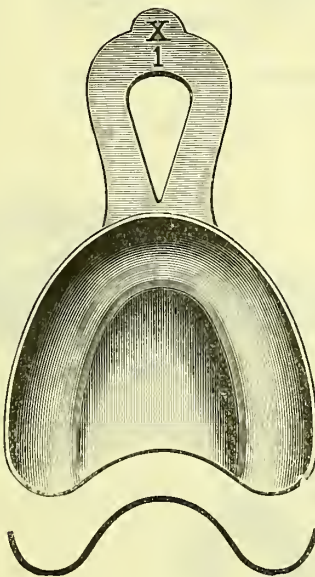
U Lower Deep.



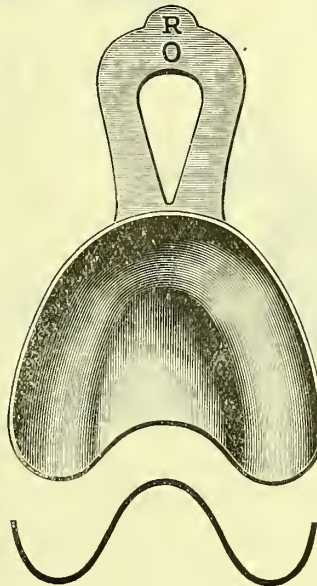
0 to 4
V Deep Upper.



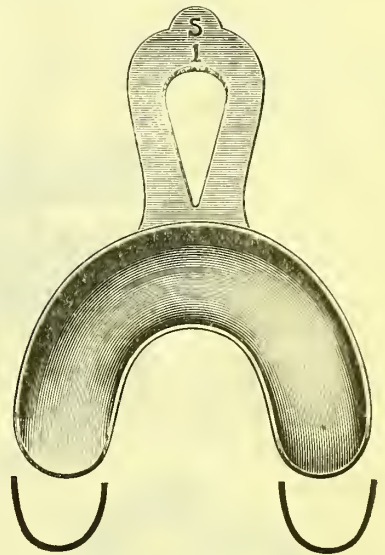
0 to 4
W Upper.



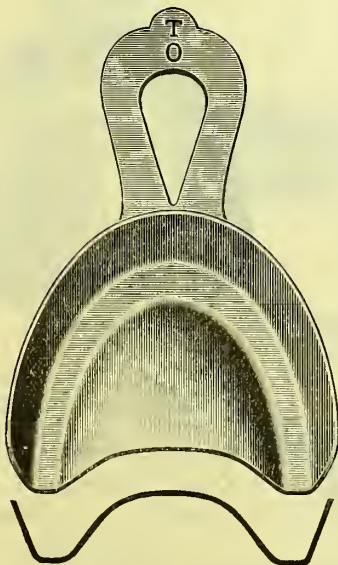
0 to 4
X Upper.



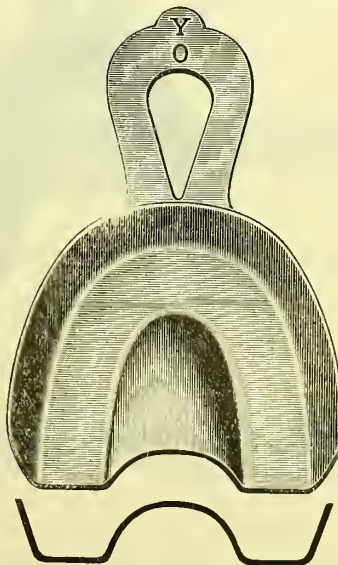
0 to 4
R Upper.



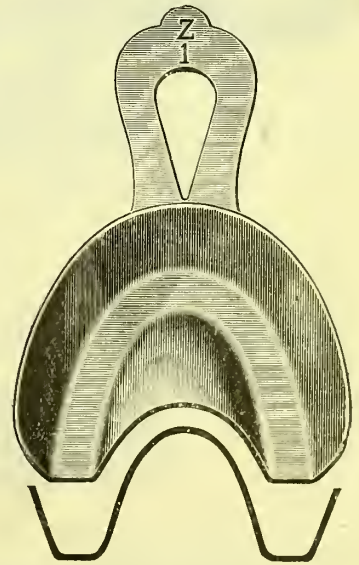
0 to 4
S Lower.



0 to 4
T Upper.

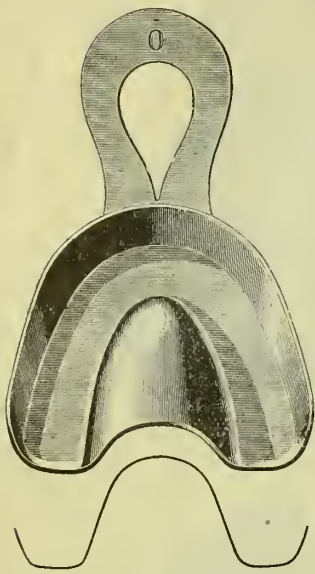


0 to 4
Y Upper.

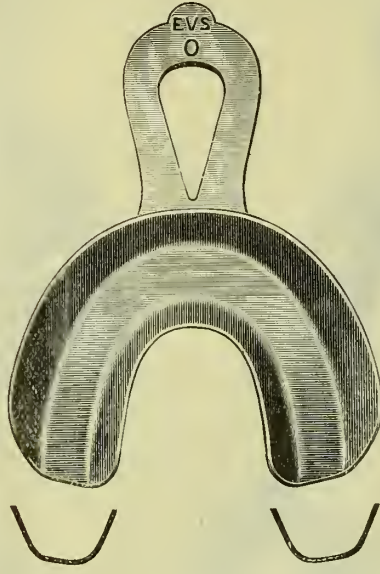


0 to 4
Z Deep Upper.

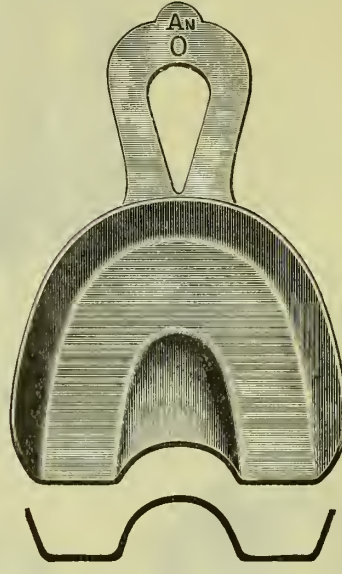
IMPRESSION TRAYS—*continued.*
SPECIAL PATTERNS.



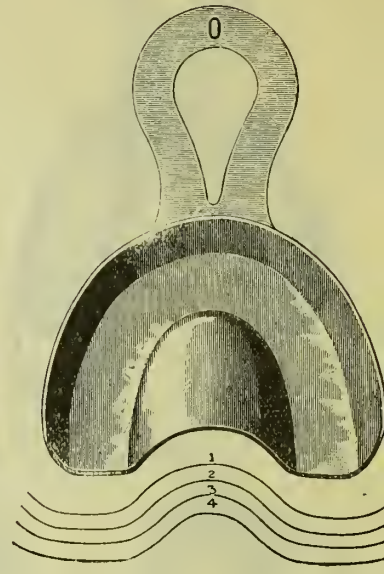
0 to 4
A High Palate.



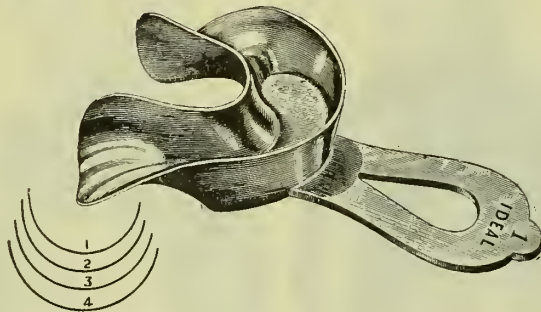
0 to 4
EVS Upper.



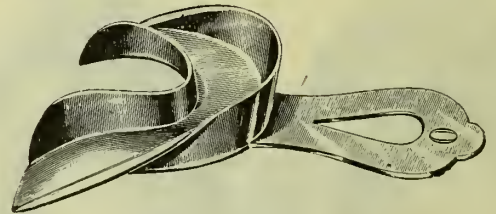
0 to 4
A Upper Narrow.



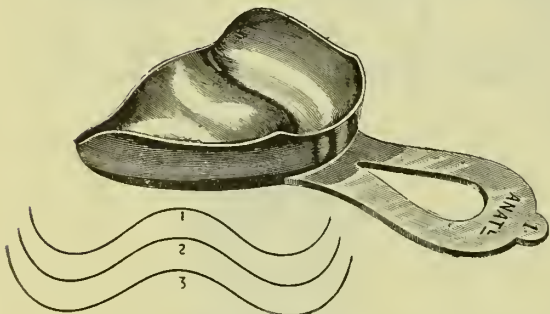
A For Children



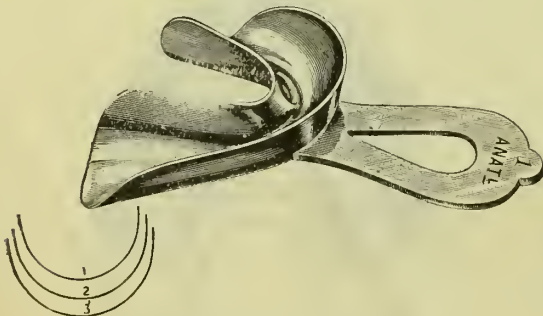
Ideal.



Fairbrother Pattern.



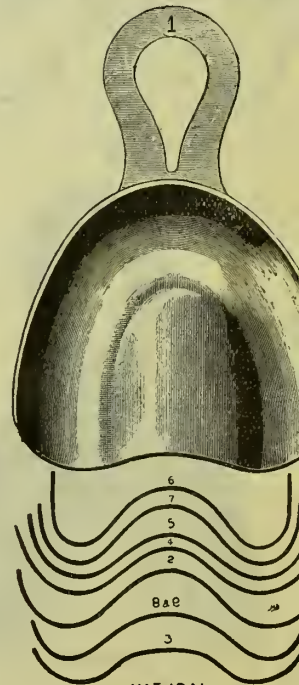
Anatomical Upper.



Anatomical Lower.



Natural Lower.



Natural Upper.

SECTIONAL TRAYS.

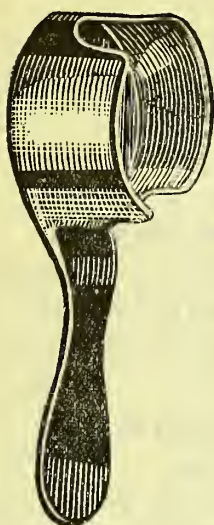


Fig. 1, 1/6 each.

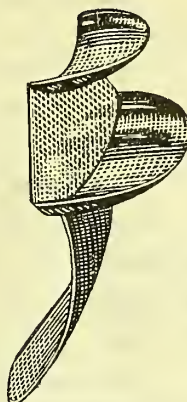


Fig. 3, 1/3 each.

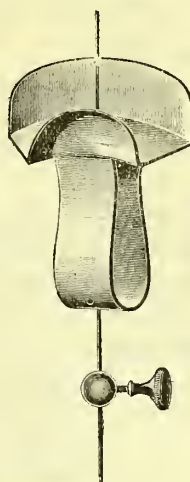
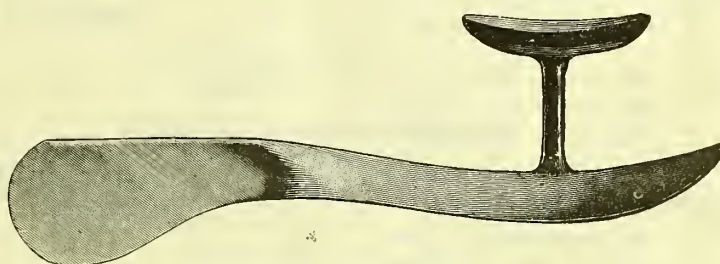


Fig. 4, 1/6 each.



With Screw and Nut for either side.

Fig. 5, 1/6 each.



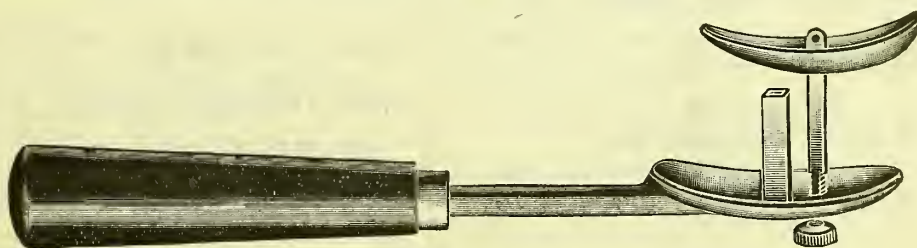
Side Bite Tray for Crowns, 2/- each.

Impression Tray for Crowns. New Form.

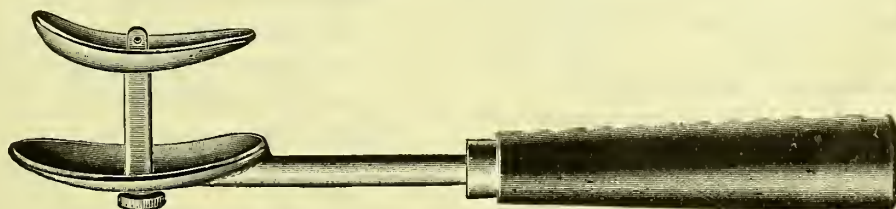
Die and counter die can be taken at the same time.

EXACT IMPRESSIONS—WORK EASILY.

Nickel-plated, with black wooden handle.



3/6 each.



3/- each.

TEETH.

Patterns of Teeth are well known, we therefore do not attempt to illustrate them. Appended are present prices, these quotations are subject to change without notice.

P.C.L. COMPOSITION PIN TEETH.

These are celebrated as being the finest Compo Pin Teeth made.

3½d. per tooth.	17/6 per 100 in lots of 500.
20/- per 100.	15/- per 100 in lots of 1,000.

PHILA COMPO PIN TEETH.

20/- per 100.	16/- per 100 in lots of 1,000.
18/- per 100 in lots of 500.	15/- per 100 in lots of 2,500.

P.C.L. PLATINUM PIN TEETH.

11d. per tooth.	82/6 per 100 in lots of 500.
85/- per 100.	80/- per 100 in lots of 1,000.

NEW CENTURY TEETH (20TH CENTURY).

IMPORTANT.—New Century Teeth (flat backs with headed pins, plain vulcanite or gum blocks), the manufacture of which teeth has undergone important changes, we can recommend you to use for all your vulcanite work. These new teeth, which are supplied in all forms and shades in which we supply our Revelation Teeth, WILL GIVE YOU more satisfaction than any composition pin teeth, whether covered with platinum or not, or any cheap all platinum pin teeth.

5d. per tooth.	36/- per 100 in lots of 1,000.
38/- per 100.	35/- per 100 in lots of 2,500.
37/- per 100 in lots of 500.	34/- per 100 in lots of 5,000.

MASSEY'S LONG THICK PLATINUM PIN TEETH.

79/- per 100.	76/- per 100 in lots of 1,000.
77/- per 100 in lots of 500.	75/- per 100 in lots of 2,500.

MASSEY'S BLACK SPOT PLATINUM LONG PINS.

65/- per 100.	62/- per 100 in lots of 1,000.
63/- per 100 in lots of 500.	61/- per 100 in lots of 2,500.

MASSEY'S BLACK SPOT PLATINUM HEADED PINS.

61/- per 100.	58/- per 100 in lots of 1,000.
59/- per 100 in lots of 500.	57/- per 100 in lots of 2,500.

MASSEY'S SCREW PLATINUM PINS.

52/- per 100.	49/- per 100 in lots of 1,000.
50/- per 100 in lots of 500.	48/- per 100 in lots of 2,500.

S. S. WHITE'S TEETH.

Plain Teeth.	Headed Pins,	10d. each.	...	83/- per 100.
"	"	Long Pins,	1/1 each.	108/- per 100.
Gum Teeth.	Headed Pins,	1/- each.	...	100/- per 100.
"	"	Long Pins,	1/2 each.	116/- per 100.

Logan Crowns, 3/9 each.

6/4 per Combination set of 14. 12/8 per Combination set of 28.

The following discounts apply to S.S.W. teeth only:—

On amounts of 20/- to 100/- ... Cash discount 3 per cent.

" " 100/- to 400/- ... " " 5 "

" " 400/- upwards ... " " 10 "

CONSOLIDATED PLATINUM PIN TEETH.

85/- per 100.	82/6 per 100 in lots of 500.
	80/- per 100 in lots of 1,000.
Well known thick pin teeth.	

DE TREY'S PLATINUM LONG PIN TEETH.

With pins of standard size, vulcanite teeth, and gum blocks.

11d. per tooth.	82/6 per 100 in lots of 500.
85/- per 100.	80/- per 100 in lots of 1,000.

REVELATION PLATINUM LONG PIN TEETH.

With extra heavy pins.

1/- per tooth.	95/- per 100 in lots of 500.
97/6 per 100.	92/6 per 100 in lots of 1,000.

REVELATION GUM TEETH.

1/- per tooth.	87/6 per 100 in lots of 500.
90/- per 100.	85/- per 100 in lots of 1,000.

REVELATION VULCANITE TEETH (PLAIN).

11d. per tooth.	77/6 per 100 in lots of 500.
80/- per 100.	75/- per 100 in lots of 1,000.

REVELATION SINGLE GUM BLOCKS, Flat Back Long Pins, 1/2 each; 105/- per 100.

REVELATION COMBINATION SETS, per set of 28 ... 12/6.

REVELATION COMBINATION GUM BLOCKS, per set of 28 16/6.

" " " " 14 8/3.

12 Front Revelation Gum Pin Teeth; 16 Diatoric Gum Teeth.

We strongly recommend you to use these Combination Sets, supplied in sets of 28, 14, 10, and 20.

For the sets of 10 and 20, as well as for purchasers of sets of 28 and 14 in quantity, the respective prices of Pin Blocks and Diatoric Blocks will be reckoned.

DE TREY'S CROWN TEETH.

Per tooth with Detachable Post	...	...	...	1/-
" 100 " " "	...	...	...	90/-
" 100 in lots of 500	"	...	...	80/-
" tooth without Post	...	...	...	8d.
" 100 in lots of 500 without Post	...	...	...	55/-
The Post only	...	...	...	4d.
Per tooth with Fixed Post	...	...	...	1/6
" 100 " " "	...	...	...	130/-
" 100 in lots of 500 with Fixed Post	...	...	...	120/-

P.C.L. DIATORICS.

WE BEG ATTENTION TO THIS, THE FINEST
DIATORIC TOOTH INTRODUCED, PERFECT
IN FORM, MATERIAL AND COLOURS.

*NOTE PRICE WHICH IS
STRICTLY ADHERED TO.*

7/6 per 100.

7/- per 100 in lots of 1,000.

GUARANTEED TO GIVE SATISFACTION.

DE TREY'S DIATORIC TEETH.

2d. per tooth.	9/6 per 100 in lots of 1,000.
10/6 per 100.	9/- per 100 in lots of 2,500.
10/- per 100 in lots of 500.	8/6 per 100 in lots of 5,000.

DE TREY'S DIATORIC GUM BLOCKS.

4d. each.	22/- per 100 in lots of 500.
24/- per 100.	20/- per 100 in lots of 1,000.

DAVIS CROWNS.

With Post ...	...	...	...	...	1/3
Without Post	...	...	...	...	10d.

WE ALWAYS HAVE A FEW THOUSAND ODD
DIATORICS WHICH WE OFFER AT 4/- per 100.

TEETH MATCHED TO MODEL AND SENT BY
RETURN POST.

SHADE GUIDES.

S. S. White's Shade Guide	...	...	...	10/5 each.
De Trey's Shade Guide	...	...	...	2/- each.

"GIANT" TEETH FOR SHOW CASES.

2/- each.

MINIATURE SETS FOR SHOW CASES.

2/6 set.

MINIATURE HANDS PORCELAIN.

1/6 each.

STANDS FOR MINIATURE SETS.

9d. each.

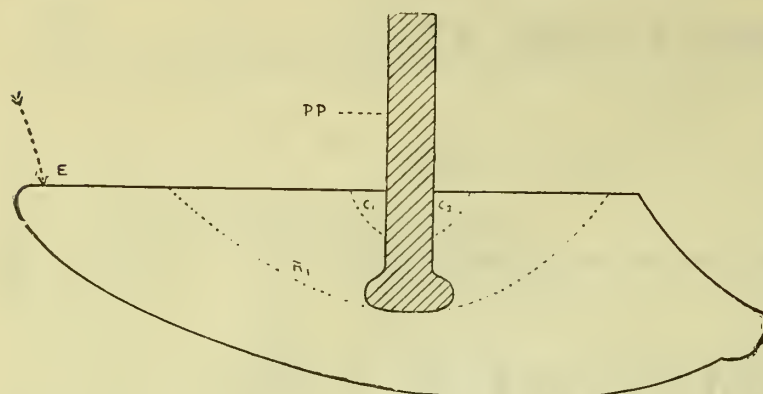


Fig. 1.

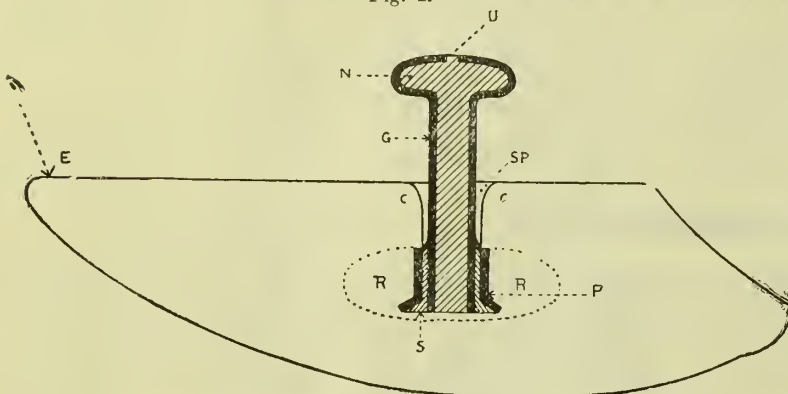


Fig. 2.

"SOLILA" TEETH.

It looks as though the new "Solila" Teeth had a great future before them. One thing seems to be certain, that is, that these teeth are much stronger than any other teeth made with pins baked in the porcelain, "including all platinum pin teeth."

Thousands of tests have been made by individual dentists and dealers, and in each case it has taken twice the amount of power to break a "Solila" Tooth as it would to break any other pin tooth.

There are several reasons which explain the greatly increased strength of "Solila" Teeth, but to go into the matter deeply would mean taking up several pages. We will, therefore, endeavour to condense the explanation into as few words as possible for the benefit of our readers.

There is an enormous difference between the expansion and contraction of platinum and porcelain. Platinum expands $2\frac{1}{2}$ times as much as porcelain.

The baking of a solid pin into the porcelain often produces small cracks around the pin in the porcelain, and these minute cracks weaken the tooth considerably. Furthermore, the porcelain usually surrounds the pin entirely, and when a strain is exercised upon the tooth the pressure is first put on the outer part of the tooth. Before it reaches what should be the point of maximum resistance—the centre of the tooth—the porcelain at the surface of the tooth has been strained. Therefore the power of resistance of the porcelain of the tooth has been divided up and the tooth materially weakened.

Testing "Solila" Teeth.

Test any teeth with baked-in pins, and you will find that the pins of "Solila" Teeth are considerably stronger because they have a more scientific anchorage than any other teeth.

Prove it in this way. Hold the tooth firmly in a pair of pliers which have square beaks so that the pins cannot slip. Do it in the way illustrated. Hold the tooth with the pliers, and, with the thumb of the other hand press very gradually upwards upon the tooth until it breaks. You will find it surprisingly easy to force the porcelain off when testing other teeth—surprisingly difficult when testing "Solila" Teeth.

They are the only teeth produced which are always free from fire cracks in the porcelain where pin is baked in.

Teeth with baked-in pins can scarcely ever be made without these cracks being created, for the obvious reason that there is a difference in the co-efficient of expansion and contraction between porcelain and platinum.

The flat surface of "Solila" Teeth is not called upon to offer resistance until after the centre of the tooth has yielded its maximum resistance.

"Solila" Teeth are the only sane substitutes for platinum pin teeth for vulcanite work.

Furthermore the leverage produced by the pressure of occlusion puts an enormous strain upon the sharp corners of the surface of the tooth (see illustration, Fig. 1).

Nothing of this kind occurs with "Solila" Teeth, and we will shew why it does not.

By an improved process the pin is not baked into the porcelain—therefore a tooth is produced which is absolutely free from fire cracks.

Then again the pin depends for its anchorage upon the centre of the tooth, and the centre of the tooth only, thus leaving the vital parts of the porcelain upon the surface of the tooth entirely free from any possibility of strain (see illustration, Fig. 2).

This means that the entire resistance which the porcelain can offer is concentrated upon the spot which is the strongest and most capable of offering resistance, namely, the centre of the tooth.

We understand "Solila" Teeth will be made with solid platinum pins, also with gold-clad pins. The latter pin, we are informed, is obtained by drawing a tube of solid 24 carat gold over a white metal wire by a process similar to the one employed in the manufacture of gold-cased jewellery.

By this means a pin is produced upon which the fluids of the mouth cannot possibly have any corrosive action.

"Solila" Teeth are made for vulcanite work, and for that reason are supplied with headed pins only. A headed pin offers a better anchorage in the vulcanite than a long pin, and saves the time usually spent in bending pins. The upper fronts of "Solila" Teeth are flat-back teeth.

ASK FOR FULL PAMPHLET.

Now in Stock at the following Prices:

"Solila" Teeth, single, 6^d each.
Per 100 ... 49/-
Per 100 in 500 lots 48/-

Per 100 in 1,000 lots, 46/-
Per 100 in 2,500 lots, 45/-

A NOVELTY IN DIATORIC TEETH. THE "WIRED" HULSMANN'S PATENT. No. 5357-09. Sole Agents: C. J. PLUCKNETT & Co., Ltd.

A PERFECT FASTENER—The patent consists of two wires, Horizontal and Vertical, passed through specially made holes, making the wired tooth the strongest and best on the market. Try a Sample Set—you will be pleased with them. Sold only in Upper and Lower Fronts, 6's at following prices:—15/- per 100. 14/- per 100 in lots of 500. 13/- per 100 in lots of 1,000. Ask for Sample Set of 6, 1/-, post free.

C. J. PLUCKNETT & CO., LTD., 28, 29 & 30 POLAND STREET, LONDON, W.

THE EVSLIN INTERCHANGEABLE TOOTH.

Patented U.S. July 4, 1905; Dec. 22, 1908, Great Britain,
Germany (D. R. P.), France (B. F. S. G. D. G.).

The introduction of the Evslin Interchangeable Tooth will be welcomed by the dental profession of the entire world. In this invention is found the solution of the most perplexing problems and exasperating circumstances that occur so commonly in Bridge, Crown and Plate Work, providing an *interchangeable tooth* that is practical, beautiful, strong and economical. With this tooth it is possible to construct anterior as well as posterior bridges, both of which defy detection and possess every appearance of the natural tooth.

THE EVSLIN INTERCHANGEABLE TOOTH.

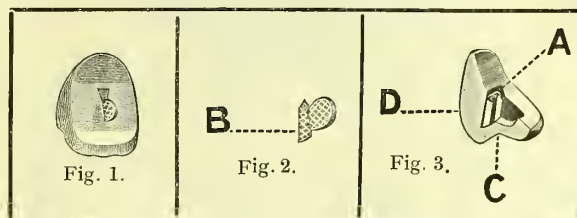
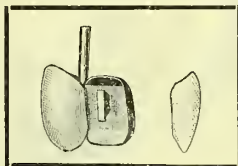


Fig. 1. Represents the Molar Saddleback with pin in place.

Fig. 2. Represents the Molar Pin.

Fig. 3. Is a sectional view of the Molar Saddleback, shewing the three-sided platinum boxing. Note the flat part of the platinum boxing (A), also note the part of the pin (B). These parts, A and B, are made to fit perfectly, thus taking the strain on the tooth from C to D, for when the stress of mastication is reflected back to the backing and pin, the perfect contact of the pin at A takes the strain on the tooth from C to D, and makes its strength more than double that of any other saddleback tooth.

THE EVSLIN SELF-PROTECTING FACING.



The groove in the tooth runs at a predetermined angle, which permits the grinding of the cutting edge of the tooth, either at an angle or knife edge, as is done with the pin facing in order to protect the teeth with a gold tip, and yet have the tooth slide easily on its backing. This mechanical arrangement is made possible by the angle of the groove.

OUR FREE BOOKLET GOES INTO DETAILS—SEND FOR IT NOW.

PRICES:

Tooth with Pin, each, 1/6.

Tooth separately, 1/1.

Pin separately, 5d.

STEELE'S INTERCHANGEABLE TEETH.



The *only* teeth which are *actually interchangeable*, because every point of contact with the metal work is *ground*. This is the *only* way to ensure absolute accuracy and therefore true standardization.

They are not subjected to the heat of soldering or casting.

Errors in shade can be corrected after the work is completed.

In case of absorption long facings replace short ones.

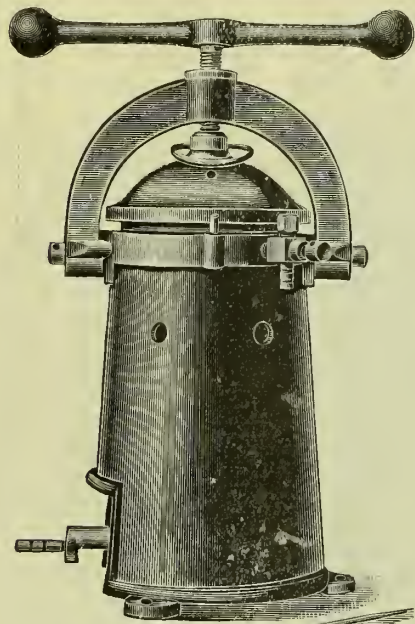
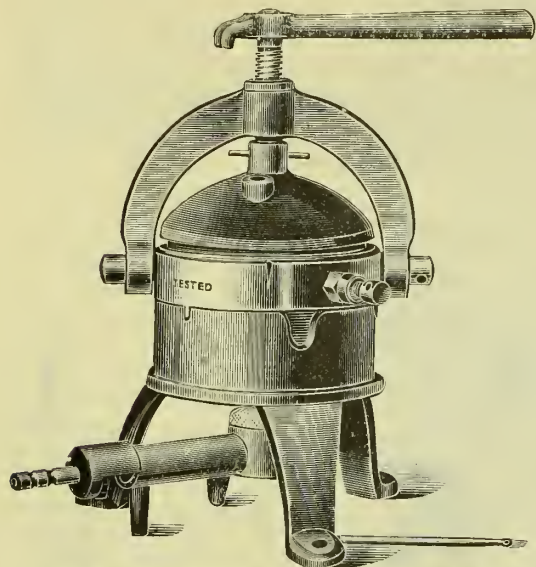
They can be safely and strongly protected with little or no display of gold, according to the bite.

Steele's Interchangeable Facings afford means for the perfect restoration of broken facings.

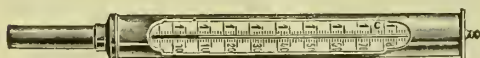
PRICES: Facings, 1/- each. 95/- per 100.

Dental Vulcanizers.

P.C.L. MANUFACTURE, GUARANTEED.

No. 1 Vulcanizer will take 2 small Flasks, **27/6**No. 2 Vulcanizer will take 3 small or 2 large Flasks, **42/-**No. 3, **65/-**No. 4, **85/-****DIMENSIONS :**

No. 1.	4½	ins. diameter by	2½	ins. deep.
No. 2.	4¾	"	5¾	"
No. 3.	4¾	"	7¾	"
No. 4.	5	"	5	"

"The" Thermometer.**4/6** each.

For Gauges, Thermometers, &c.

Walker's Patent**"Phoenix" Vulcanizer.**

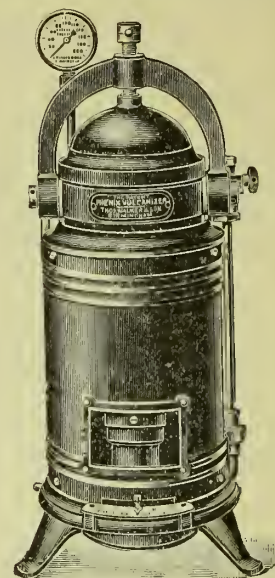
ADJUSTABLE & SELF-REGULATING.

By the simple movement of a pointer on a scale in front of the machine, the temperature in the boiler can be adjusted by the operator to remain at any point desired for vulcanizing.

No. 1. Fitted with gun-metal boiler (internal dimensions, 4 inches diameter by 6½ inches deep) ... **£7 0 0**

No. 2. Fitted with gun-metal boiler (internal dimensions, 5½ inches diameter by 9 inches deep) ... **£9 0 0**

ALL ACCESSORIES IN STOCK.

**Gas Regulating Gauge.**

EVERY GAUGE GUARANTEED.

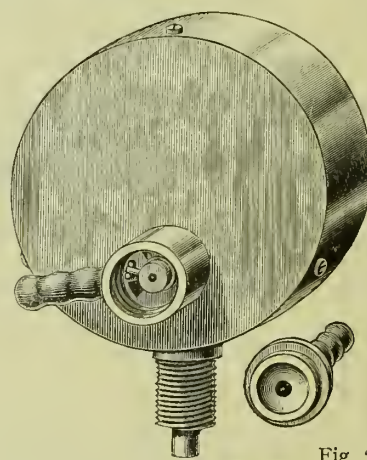
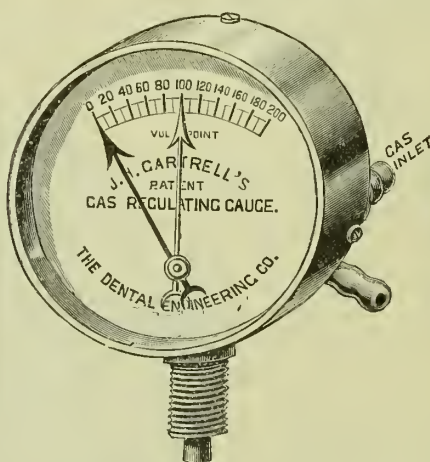


Fig. 2.

This Gauge is now in use all over Europe, the Colonies, and the United States, and its use is increasing yearly.

After many years' use, no case is known of a vulcanizer exploding when regulated by this Gauge, whereas there are many cases reported where thermometers have been used.

The regulator has recently been greatly improved by having the valve, shewn in Fig. 2, made to slide upon the valve seat, enabling the red hand to be turned either way while the Gauge is at work, without injury to the working parts, which often happens to the old form of Gauge.

Fig. 3 shows a copper Disc Safety Valve. The upper end receives the screw of Gauge, and the lower end screws into Syphon. It is here unaffected by the heat of the Vulcanizer, and is always ready to act accurately.

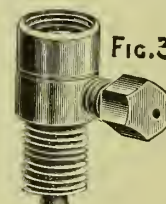
Gauge with Syphon, **31/6**" without " **27/6**Thermometer ... **4/6**Copper Syphon **4/-**Safety Valve, Fig. 3, **2/6**Glass Scales for Do., **3/6**

Fig. 3

Vulcanizer Parts and Accessories.Jackets, for No. 1, **5/-**" No. 2, **7/6**India Rubber Washers, from **9d.** each.Lead Washers, from **1/3** each." " fitted from **2/6** each.Lids, from **8/6** each.Fusible Plugs, **2d.** each, **1/6** per doz.Burners, small, **1/6**; large, **2/6** each.Handles for Boilers, **1/3** and **2/-** each.

All Vulcanizers supplied by us are made of Best Gun-metal, are well tested, both by hydraulic and steam pressure, and are of best English manufacture throughout. American to order.

VICES.

Improved Parallel Vice.

For Metal Workers and Engineers. Best Cast Iron Body. Special Hardened Steel Jaws. Mild Steel Screw, Handle and Set Pins.

All materials used in the making of these Vices are the best procurable of their respective kinds.

The workmanship throughout is of the highest class, and the finish unsurpassable.

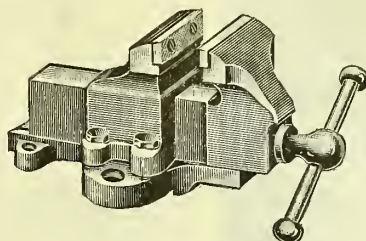
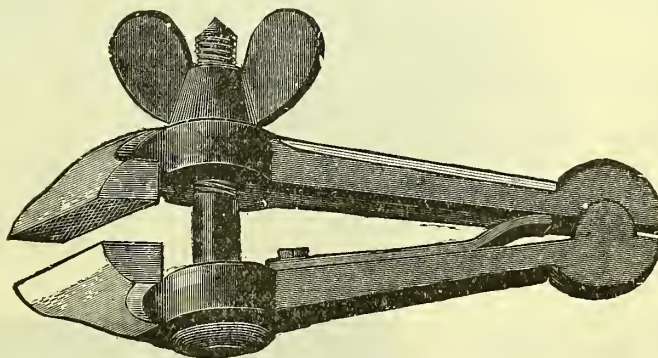


Fig. 1134.

No.	Width of Jaw. ins.	Depth of Jaw. ins.	To Grip. ins.	Weight. lbs.	Price. s. d.
00	2 $\frac{1}{4}$	1 $\frac{1}{8}$	2 $\frac{1}{4}$	5 $\frac{1}{4}$	5 3
0	2 $\frac{3}{8}$	1 $\frac{3}{8}$	2 $\frac{3}{8}$	7	6 3
1	3	1 $\frac{1}{2}$	3 $\frac{1}{4}$	11	7 3
2	3 $\frac{1}{2}$	2 $\frac{1}{8}$	4	21	11 0
3	4	2 $\frac{3}{8}$	4 $\frac{3}{8}$	32	15 0
4	4 $\frac{1}{2}$	2 $\frac{3}{4}$	5 $\frac{1}{8}$	45	21 0
5	5	3 $\frac{1}{8}$	6 $\frac{1}{4}$	66	27 6
6	6	3 $\frac{3}{8}$	7 $\frac{1}{4}$	87	37 0
7	7	3 $\frac{5}{8}$	7 $\frac{1}{2}$	88	40 0
1A	2 $\frac{3}{8}$	1 $\frac{3}{8}$	2 $\frac{3}{8}$	7 $\frac{1}{2}$	6 6
1	2 $\frac{5}{8}$	1 $\frac{7}{8}$	3 $\frac{1}{8}$	11	8 6
2	3 $\frac{1}{4}$	2 $\frac{1}{2}$	3 $\frac{3}{8}$	19	12 6
3	3 $\frac{5}{8}$	2 $\frac{5}{8}$	5 $\frac{1}{8}$	27 $\frac{1}{2}$	15 6
3A	4 $\frac{1}{2}$	3 $\frac{1}{2}$	5 $\frac{1}{2}$	39	24 0

Black Hand Vices.



No. 1128.

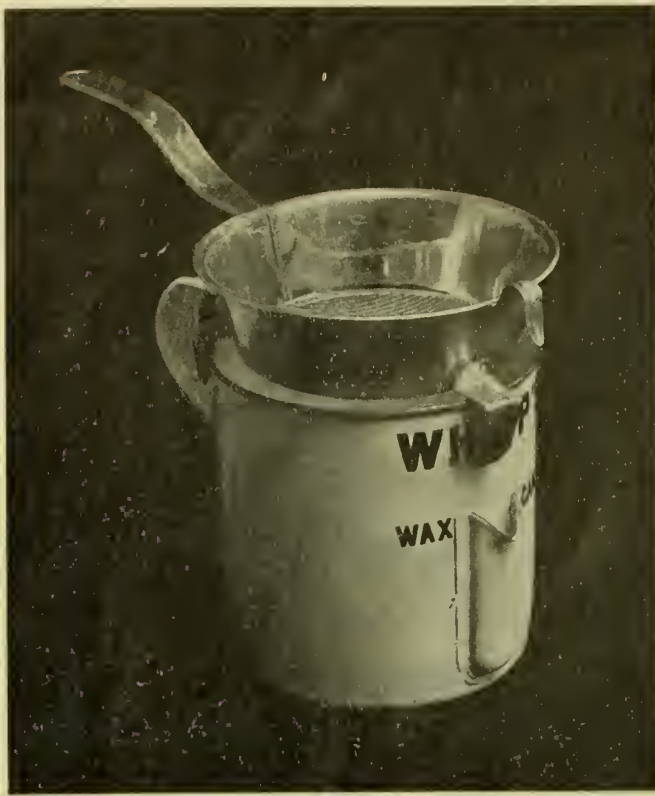
Vice or Dog Nose. Best Quality. English.

3 ins. ...	2/-	4 ins. ...	2/3	5 ins. ...	3/6	6 ins. ...	6/6
3 $\frac{1}{2}$ ins. ...	2/-	4 $\frac{1}{2}$ ins. ...	2/6	5 $\frac{1}{2}$ ins. ...	4/6	7 ins. ...	9/-



No. 1129.

Nickel-plated, Solid or Hollow ... 1/6, 2/-, 2/3 each.
Polished Bright ... 1/3, 1/6 "



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Cotton.

Per Package, 1/-

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Price, 3/-

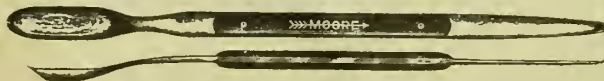
P.C.L. PELLET HOLDER,
Price, 3/-

Wax.

Our Pink Wax is well known and in great demand. We
now stock five qualities as follows:

No. 1.	No. 2.	No. 3.
1 lb. at 3/-	1 lb. at 2/6	1 lb. at 2/-
7 lbs. at 2/9	7 lbs. at 2/3	7 lbs. at 1/9
28 lbs. at 2/6	28 lbs. at 2/-	28 lbs. at 1/6
No. 4.	ONGLEY'S	No. 5.
1 lb. at 1/9	1 lb. at 2/6	1 lb. at 1/3
7 lbs. at 1/6	7 lbs. at 2/3	7 lbs. at 1/1
28 lbs. at 1/3	28 lbs. at 2/-	28 lbs. at 1/-

BEESWAX, best English ...	...	...	2/6 lb.
WAX STICKS ...	...	1/6 doz.	2d. each.
S.S.W. TENAX WAX ...	...	...	4/2 lb.



WAX SPOON (MOORE'S), 1/- each.

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When a sufficient quantity of Wax (say about 1 lb.) has collected in the can, it may be removed in a solid cake by heating the can on the stove until the wax melts and floats on the surface of the water which is always retained in the can; when the wax is nearly cold run a warm knife round its edge and remove in a solid cake.

Price - - - 5/6 complete.

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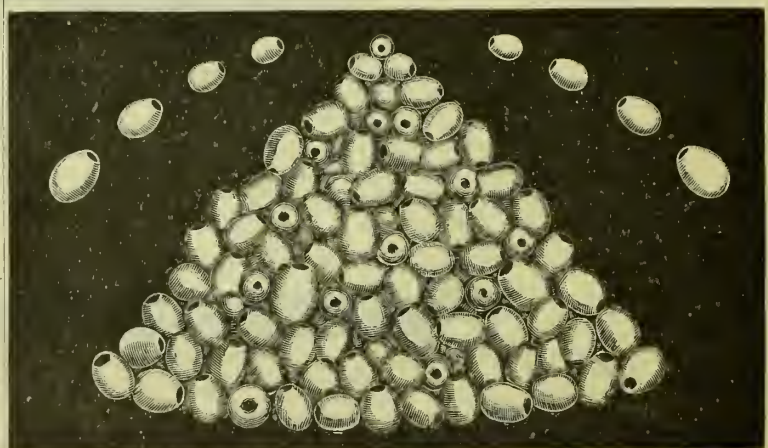
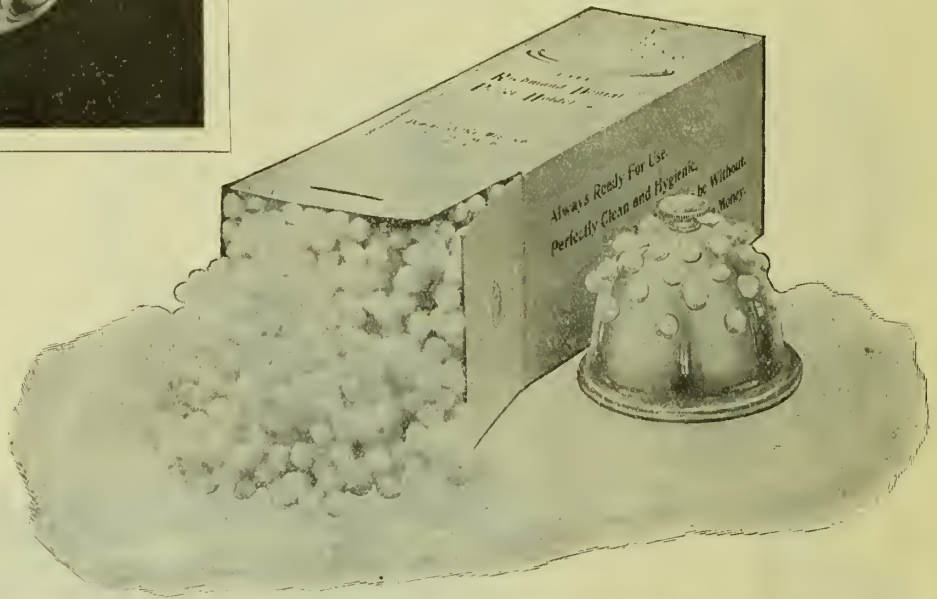
Absorbent Cotton Rolls (Sterilized), 100 in box 1½ ins. long, 1/1; 500 in box 1½ ins. long, 3/6. Put up in 4 diameters or all one size in box. 100 in box 6 ins. long 2/-; 500 in box 6 ins. long, 8/-.

Absorbent Red Cross Pledgets (Sterilized), per box (about 5,000), 1/-.

Absorbent Aseptic Points, 200 in box, 2/1.

Absorbent Cotton Wool, Plain Absorbent Cotton (Red Cross) Sterilized, 1 lb. cartons, 1/8.

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AND NATTY.

P. C. L. NAME PLATES.

REQUIRE NO
CLEANING.

ALWAYS LOOK WELL.

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2 $\frac{3}{4}$ by 7 to 9 ins.,
price 2/-



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2 $\frac{3}{4}$ by 10 to 16 ins.,
price 2/6

Length varies according to number of letters.

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WALK IN.
PLEASE ENTER.

DENTAL SURGERY.
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